# NEPAL ELECTRICITY AUTHORITY (An Undertaking of Government of Nepal) DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE DISTRIBUTION SYSTEM UPGRADE AND EXPANSION PROJECT



TENDER DOCUMENT for

Procurement of material, equipment, associated accessories and necessary installation services including design, erection, testing, and commissioning of Distribution System Network - Package No. EIB-W5

Package No. EIB-W4 Subprojects: Bajhang, Baitadi, Rukum East and Rolpa Districts

> Single-Stage: Two-Envelope Tender Procedure

Issued on:

Invitation for Tenders No.: *ICB-DCSD-2079/80-DSUEP-EIB-W5* Contract Ref. No.: *ICB-DCSD-2079/80-DSUEP-EIB-W5* Employer: *Nepal Electricity Authority* Country: *Nepal* 

Volume III of III (BoQ for 11 kV Lines, Distribution Transformers and Low-Tension lines)

Distribution System Upgrade and Expansion Project Distribution and Consumer Services Directorate Nepal Electricity Authority Durbarmarg, Kathmandu Tel: +977-1- 4153145 Email: dsuep.eib@gmail.com; dsuep@nea.org.np







# **Table of Contents - Summary Description**

# PART I TENDER PROCEDURES

**Section 1 - Instructions to Tenderers (ITT)** ------- **1-1** This section specifies the procedures to be followed by Tenderers in the preparation and submission of their Bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of contract.

**Section 2 - Tender Data Sheet (TDS)** ------ **2-1** This section consists of provisions that are specific to each procurement and supplement the information or requirements included in Section 1 (Instructions to Tenderers).

**Section 4 - Tender Forms (TDF)** ------ **4-1** This section contains the forms which are to be completed by the Tenderer and submitted as part of its Tender.

Section 5 - Eligible Countries (ELC)	5-'	1
This section contains the list of eligible countries.		

# PART II REQUIREMENTS

**Section 6 - Employer's Requirements (ERQ)** ------- **6-1** This section contains the Scope of Supply of Plant and Services, Specifications, the Drawings, and Supplementary Information that describe the Facilities to be procured, Personnel Requirements, Equipment Requirements, Certificates, and Change Orders.

# PART III CONDITIONS OF CONTRACT AND CONTRACT FORMS

**Section 7 - General Conditions of Contract (GCC)** ------ **7-1** This section contains the general clauses to be applied in all contracts. These Conditions are subject to the variations and additions set out in Section 8 (Special Conditions of Contract).

**Section 8 - Special Conditions of Contract (SCC)** ------- **8-1** This section contains provisions that are specific to each contract and that modify or supplement the GCC. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The clause number of the SCC is the corresponding clause number of the GCC.

**Section 9 - Contract Forms (COF)** -------9-1 This section contains forms, which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Tenderer after contract award.



# Volume III

# **Section 4: Tender Forms**

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A Price Schedule

Name of Tenderer \_\_\_\_\_

Signature of Tenderer\_\_\_\_\_



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# Volume III Section 4: Tender Forms Table of Contents

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	S-1-B	Schedule of Plant and Mandatory Spare Parts Supplied from Abroadfor Distribution Transformers
	S-1-C	Schedule of Plant and Mandatory Spare Parts Supplied from Abroad for Low Tension Lines
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	S-5-1	Project Component wise Summary of Schedule 1 to 4
	S-6	Schedule of Rates and Prices of Schedule No. 6: Recommended Spare Parts

Name of Tenderer \_\_\_\_\_



Section 4: Tender Forms

Signature of Tenderer\_\_\_\_\_



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# Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

# Schedule of Rates and Prices

## Schedule No. 5: Grand Summary (Excluding Custom Duty and VAT applicable in Employer's Country)

		FC: USD	LC: NPR
Schedule No.	Title	Total	Price
Schedule No.	inte	Foreign Currency	Local Currency
1	Plant and Mandatory Spare Parts Supplied from Abroad	-	-
2	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country	-	-
3	Design Services	-	-
4	Installation and Other Services	-	
	Grand Total to be carried forward to Letter of Price Tender	-	

Name of Tenderer

## Distribution and Consumer Services Directorate

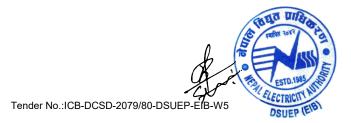
# Distribution System Upgrade and Expansion Project

## Project Component Wise Summary of Costs (Excluding Custom Duty and VAT applicable in Employer's Country)

LC: NPR
LC. INFIN

FC: USD

ltem	Description	Total	Price	Total Cost in Foreign	Total Cost in Local
nem	Description	Foreign Currency	Local Currency	Currency Only	Currency Only
1	2	3	4	5 = 3 + 4/USD Rate	6 = 3xUSD Rate + 4
1	11 kV Line				
1.1	Plant and Mandatory Spare Parts Supplied from Abroad	-	-	-	-
1.2	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country	-	-	-	-
1.3	Design Services	-	-	-	-
1.4	Installation and Other Services	-	-	-	-
T-1	Sub Total of 11 kV Line	-	-	-	-
2	Distribution Transformers and Switchgear				
2.1	Plant and Mandatory Spare Parts Supplied from Abroad	-	-	-	-
2.2	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country	-	-	-	-
2.3	Design Services	-	-	-	-
2.4	Installation and Other Services	-	-	-	-
T-2	Sub Total of Distribution Transformers and Switchgear	-	-	-	



Name of Tenderer \_\_\_\_\_

## Distribution and Consumer Services Directorate

# Distribution System Upgrade and Expansion Project

## Project Component Wise Summary of Costs (Excluding Custom Duty and VAT applicable in Employer's Country)

LC: NPR
LC. NEN

FC: USD

	Total			
Description	TOLA	Price	Total Cost in Foreign	Total Cost in Local
Description	Foreign Currency	Local Currency	Currency Only	Currency Only
2	3	4	5 = 3 + 4/USD Rate	6 = 3xUSD Rate + 4
Low Tension Lines				
Plant and Mandatory Spare Parts Supplied from Abroad	-	-	-	-
Plant and Mandatory Spare Parts Supplied from Within the Employer's Country	-	-	-	-
Design Services	-	-	-	-
Installation and Other Services	-	-	-	-
Sub Total of Low Tension Lines	-	-	-	-
Environmental and Social Mitigation Works (Provisional Sum)				
Environmental and Social Mitigation Works	-	35,000,000.00	264,950.79	35,000,000.00
Sub Total of Environmental and Social Mitigation Works (Provisional Sum)	-	35,000,000.00	264,950.79	35,000,000.00
Sum of T-1 T-4)	-			
S	ow Tension Lines Plant and Mandatory Spare Parts Supplied from Abroad Plant and Mandatory Spare Parts Supplied from Within the Employer's Country Design Services Installation and Other Services iub Total of Low Tension Lines invironmental and Social Mitigation Works (Provisional Sum) Environmental and Social Mitigation Works	2     3       ow Tension Lines        Plant and Mandatory Spare Parts Supplied from Abroad        Plant and Mandatory Spare Parts Supplied from Within the Employer's Country        Design Services        Installation and Other Services        iub Total of Low Tension Lines        Environmental and Social Mitigation Works (Provisional Sum)        Environmental and Social Mitigation Works (Provisional Sum)	234ow Tension Lines66Plant and Mandatory Spare Parts Supplied from Abroad11Plant and Mandatory Spare Parts Supplied from Within the Employer's Country11Design Services111Installation and Other Services111inball of Low Tension Lines111invironmental and Social Mitigation Works (Provisional Sum)135,000,000.00inball of Environmental and Social Mitigation Works (Provisional Sum)135,000,000.00	Protect ContentExclance of the content2345 = 3 + 4/USD Ratepw Tension LinesImage: Second Secon



Name of Tenderer \_\_\_\_\_

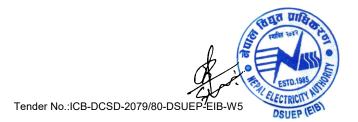
# Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

# Schedule of Rates and Prices

Summary of Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

		FC: USD	LC: NPR		
Schedule No.	Title	Total	l Price		
Schedule No.	The	Foreign Currency	Local Currency		
А.	11 kV Line	-	-		
В.	Distribution Transformers and Switchgear	-	-		
C.	Low Tension Lines	-	-		
	Grand Total to be carried forward to Schedule 5	-	-		



Name of Tenderer

#### Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

FC: USD LC: NPR Total, Domestic Unit Rate, Domestic Transportation and Insurance, Local Unit Rate, CIP Total, CIP (Nepal Quantity Transportation and Country of (Nepal Border) Currency Border) Unit Insurance Item Description **Total Quantity** Origin Bajhang **Rukum East** Bajhang Rukum East Foreign Currency Baitadi DSUEP Rolpa DSUEP Baitadi DSUEP Rolpa DSUEP Foreign Currency Local Currency DSLIEP DSUEP DSLIFP DSLIEP 6 8 2 7 = Σ6  $9 = 5 \times 7$  $10 = \Sigma(\pi(8 \times 6))$ 1 3 4 5 ۵ в с D Α в с р 11 kV Line . . A.1 Conductors ---1 XLPE Overhead Covered Conductor, 100 sq mm. with 5% Sag 17.00 170.00 kms 91.00 45.00 17.00 2 XLPE Overhead Covered Conductor, 55 sq mm. with 5% Sag kms 514.00 257.00 96.00 96.00 963.00 1,152.00 2 160 00 3 Mid-Span Joining Sleeve (Covered Conductor, rated min 500A) 576.00 216.00 216.00 set 4 Tension/Anchoring Assembly (including Anti-tracking Device and Socket Eye) 18.00 9.00 3.00 3.00 33.00 set --5 Polymeric Pin Ties, and Top Ties 18.00 9.00 3.00 3.00 33.00 set --6 Insulation Piercing Connectors (IPC) - Type 1 18.00 9.00 3.00 3.00 33.00 set -7 Insulation Piercing Connectors (IPC) - Type 2 set 18.00 9.00 3.00 3.00 33.00 -8 Insulation Piercing Connectors (IPC) - Type 3 set 71.00 35.00 35.00 35.00 176.00 A.2 Poles and Accessories ---A.2.1 STP Pole and Accessories - Single Circuit ---1 11 M Steel Tubular Pole nos. 3,040.00 1,520.00 570.00 570.00 5.700.00 2 Back Strap 770.00 7,696.00 4,104.00 2,052.00 770.00 nos. 3,135.00 3 Bolts with suitable nuts and washers (M16 x 100 mm) 3,135.00 31,350.00 nos. 16,720.00 8,360.00 --570.00 4 Bolts with suitable nuts and washers (M16 x 235 mm) nos 304.00 152.00 57.00 57.00 --5 Bolts with suitable nuts and washers (M16 x 50 mm) 3.648.00 1.824.00 684.00 684.00 6.840.00 nos 6 Disc Type Insulator for 11 kV set 4.104.00 2.052.00 770.00 770.00 7.696.00 6,270.00 7 Flat Crossarm Brace 11 kV (50 x 6 x 666 mm) 3,344.00 1,672.00 627.00 627.00 nos. 8 Insulator Pin for Pin Insulator of 11 kV set 6,840.00 3,420.00 1,283.00 1,283.00 12,826.00 --1,710.00 9 Interconnecting Clamp for MVCC set 912.00 456.00 171.00 171.00 10 Pin Type Insulator for 11 kV nos. 6,840.00 3,420.00 1,283.00 1,283.00 12,826.00 -Pole Clamp with Nut, bolt and washers (TC1) with channel and support 11 set 5,016.00 2,508.00 941.00 941.00 9,406.00 structures all complete as per design and drawings Pole Clamp with Nut, bolt and washers (TC2) with channel and support 3,344.00 6,270.00 12 set 1,672.00 627.00 627.00 structures all complete as per design and drawings Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and 152.00 57.00 570.00 13 set 304.00 57.00 support structures all complete as per design and drawings Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and 304.00 152.00 57.00 57.00 570.00 14 set support structures all complete as per design and drawings 15 Preformed Pin Ties, Top Ties 12,826.00 6 840 00 3.420.00 1.283.00 1.283.00 set



Name of Tenderer \_\_\_\_\_

## Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

### Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

														FC: USD	LC: NPR
ltem	Description	Country of	Unit	Unit Rate, CIP (Nepal Border)		Qua	intity		Total Quantity	Unit Rate, C		ortation and Ins rency	urance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
		Origin		Foreign Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP		Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Foreign Currency	Local Currency
1	2	3	4	5		6		7 = Σ6			8		9 = 5 x 7	10 = Σ(π(8 x 6))	
1	2	3	4	5	A	В	с	D	/=20	A	в	c	D	9=5x7	$10 = 2(\pi(8 \times 6))$
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)		nos.		304.00	152.00	57.00	57.00	570.00					-	-
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)		nos.		1,368.00	684.00	257.00	257.00	2,566.00					-	-
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)		nos.		152.00	76.00	29.00	29.00	286.00					-	-
19	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)		nos.		304.00	152.00	57.00	57.00	570.00					-	-
20	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)		nos.		1,368.00	684.00	257.00	257.00	2,566.00					-	-
21	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		912.00	456.00	171.00	171.00	1,710.00					-	-
22	Tension Set with Ball and Socket Eye		set		4,104.00	2,052.00	770.00	770.00	7,696.00						
23	Offset Cross-Arm for Covered Conductor with all accessories complete		set		608.00	304.00	114.00	114.00	1,140.00					-	
A.2.2	STP Pole and Accessories - Double Circuit								-					-	-
1	11 m Steel Tubular Pole		nos.		214.00	107.00	40.00	40.00	401.00					-	-
2	Back Strap		nos.		578.00	289.00	108.00	108.00	1,083.00					-	-
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		2,654.00	1,327.00	496.00	496.00	4,973.00					-	-
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		65.00	33.00	12.00	12.00	122.00					-	-
5	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		482.00	241.00	90.00	90.00	903.00					-	-
6	Disc Type Insulator for 11 kV		set		578.00	289.00	108.00	108.00	1,083.00					-	-
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.		707.00	354.00	132.00	132.00	1,325.00					-	-
8	Insulator Pin for Pin Insulator of 11 kV		set		963.00	482.00	180.00	180.00	1,805.00					-	-
9	Interconnecting Clamp for MVCC		set		129.00	65.00	24.00	24.00	242.00					-	-
10	Pin Type Insulator for 11 kV		nos.		963.00	482.00	180.00	180.00	1,805.00					-	-
11	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings		set		931.00	466.00	174.00	174.00	1,745.00					-	-



Name of Tenderer \_\_\_\_\_

## Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

### Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

														FC: USD	LC: NPR
ltem	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Total Quantity	Unit Rate, D		ortation and Insu rency	irance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance				
		Urigin		Foreign Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP		Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Foreign Currency	Local Currency
1	2	3	4	5			5		7 = Σ6	8				9=5x7	10 = Σ(π(8 x 6))
-	2	5	-		A	В	с	D	/ - 20	A	в	с	D	9 = 5 x 7	10 - 2(/(8 × 0))
12	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings		set		354.00	177.00	66.00	66.00	663.00					-	-
13	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings		set		22.00	11.00	4.00	4.00	41.00					-	-
14	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings		set		22.00	11.00	4.00	4.00	41.00					-	-
15	Preformed Pin Ties, Top Ties		set		963.00	482.00	180.00	180.00	1,805.00					-	-
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm)		nos.		11.00	6.00	2.00	2.00	21.00					-	-
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)		nos.		11.00	6.00	2.00	2.00	21.00					-	-
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)		nos.		450.00	225.00	84.00	84.00	843.00					-	-
19	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm)		nos.		257.00	129.00	48.00	48.00	482.00					-	-
20	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm)		nos.		22.00	11.00	4.00	4.00	41.00					-	-
21	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		97.00	49.00	18.00	18.00	182.00					-	-
22	Tension Set with Ball and Socket Eye		set		578.00	289.00	108.00	108.00	1,083.00					-	-
23	Offset Cross-Arm for Covered Conductor with all accessories complete		set		86.00	43.00	16.00	16.00	161.00					-	-
									-					-	-



Name of Tenderer

## Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

### Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

														FC: USD	LC: NPR
ltem	Description	Country of	Unit	Unit Rate, CIP (Nepal Border)					Total Quantity	Unit Rate, D	omestic Transp Curr	ortation and Ins rency	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance	
		Origin		Foreign Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP		Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Foreign Currency	Local Currency
1	2	3	3 4	5		e	5		7 = Σ6	8		9=5x7	10 = Σ(π(8 x 6))		
1	2	5		5	A	В	с	D	/ - 20	A	В	с	D	3-327	10 - 2(/(8 x 0))
A.2.3	Stays								-					-	-
1	Pole Clamp with Nut, bolt and washers (TC3) with channel and support structures all complete as per design and drawings		set		1,302.00	651.00	244.00	244.00	2,441.00					-	-
2	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		2,604.00	1,302.00	488.00	488.00	4,882.00					-	-
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		2,604.00	1,302.00	488.00	488.00	4,882.00					-	-
4	Stay Wire, (7/10 SWG minimum)		kg		13,020.00	6,510.00	2,440.00	2,440.00	24,410.00					-	-
5	Stay/Guy Insulator		nos.		1,302.00	651.00	244.00	244.00	2,441.00					-	-
6	Stay Turn Buckle including Thimble, (18 SWG minimum)		nos.		1,302.00	651.00	244.00	244.00	2,441.00					-	-
7	Stay I bolt, (12 inch minimum)		nos.		1,302.00	651.00	244.00	244.00	2,441.00					-	-
8	Stay I Rod/Anchor Rod, (minimum 1600 mm)		nos.		1,302.00	651.00	244.00	244.00	2,441.00					-	-
9	Bow set with Thimble		nos.		1,302.00	651.00	244.00	244.00	2,441.00					-	-
10	Stay Grip		nos.		1,302.00	651.00	244.00	244.00	2,441.00					-	-
11	Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum)		nos.		1,302.00	651.00	244.00	244.00	2,441.00					-	-
									-					-	-
A.3	Special Components								-					-	-
1	Power Arc Devices (3 Nos. per set)		set		18.00	9.00	3.00	3.00	33.00					-	-



Name of Tenderer \_\_\_\_\_

#### Nepal Electricity Authority

## Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

														FC: USD	LC: NPR
ltem	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)		Qua	ntity		Total Quantity	Unit Rate, [	Domestic Transpo Curr	ortation and Insu rency	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance	
				Foreign Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP		Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Foreign Currency	Local Currency
	2			5			5		7 = Σ6			8		9=5×7	
1	2	3	4	5	A	В	с	D	/ = 26	Α	В	с	D	9=5x/	10 = Σ(π(8 x 6))
в.	Distribution Transformer and Switchgear Components								-					-	-
B.1	Distribution Transformer								-					-	-
1	11/0.4kV 25kVA 3 ph. Distribution Transformer		set		60.00	24.00	24.00	24.00	132.00						-
2	11/0.4kV 50kVA 3 ph. Distribution Transformer		set		10.00	10.00	10.00	10.00	40.00					-	-
									-					-	-
B.2	Transformer Platform								-					-	-
1	Transformer Platform for 25 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		60.00	24.00	24.00	24.00	132.00					-	-
	Transformer Platform for 50kVA, 3 phase Transformer including separate				10.00	40.00	10.00	10.00	10.00						
2	separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		10.00	10.00	10.00	10.00	40.00					-	-
									-						-
	Surge Protection Devices and Accessories								-					-	-
	9 kV Surge Arrester for Three Phase Transformer		set		70.00	34.00	34.00	34.00	172.00		ļ			-	-
2	Drop Out Fuse of suitable Capacity for Three Phase Transformer		set		70.00	34.00	34.00	34.00	172.00					-	-
3	Outdoor Pole Mounted Distribution Panel Board (with 50A TP MCCB-1 Nos, 32A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set		60.00	24.00	24.00	24.00	132.00					-	-
4	Outdoor Pole Mounted Distribution Panel Board (with 80A TP MCCB-1 Nos, 50A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set		10.00	10.00	10.00	10.00	40.00					-	-
5	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)		m		350.00	170.00	170.00	170.00	860.00					-	-
									-					-	-
B.4	Switchgear, Data Instrumentation System and Accessories								-					-	-
1	Load Break Switch		set		19.00	10.00	4.00	4.00	37.00					-	-
2	Transformer Data Instrumentation System with every minute data logging and transfer to Server at Regional Control Centre and programmed locations as per specifications all complete - 3 Phase, with IP 67 Box, platform and connection system (Current, Voltage, Power, Power Factor, THD, Oil Temperature, Status, Daily Load Curve, local storage and transfer via GSM)		set		70.00	34.00	34.00	34.00	172.00					-	-
3	Load Break Switch Data Instrumentation System with every minute data logging and transfer to Server at Regional Control Centre and programmed locations as per specifications all complete - 3 Phase, with IP 67 Box, platform and connection system (Current, Voltage, Daily Load Curve, Status, local storage and transfer via GSM)		set		19.00	10.00	4.00	4.00	37.00					-	-
4	Earthing Set for Transformer all complete (Body, Neutral and Lightning Earthing all complete)		set		70.00	34.00	34.00	34.00	172.00						_



Name of Tenderer \_

FC: USD

#### Nepal Electricity Authority

#### Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

Total, Domestic Unit Rate, Domestic Transportation and Insurance, Local Total, CIP (Nepal Unit Rate, CIP Quantity Transportation and Country of (Nepal Border) Currency Border) Unit Insurance Item Description **Total Quantity** Origin Bajhang Rukum East Baihang Rukum East Foreign Currency Baitadi DSUEP Rolpa DSUEP Baitadi DSUEP Rolpa DSUEP Foreign Currency Local Currency DSLIEP DSLIEP DSLIEP DSLIEP 6 8 2 7 = Σ6 9 = 5 x 7  $10 = \Sigma(\pi(8 \times 6))$ 1 3 4 5 Α в с D Α в с D C Low Tension Line ---C.1 Conductor ---1 Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm 115.00 kms 49.00 22.00 22.00 22.00 2 Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm kms 243.00 110.00 110.00 110.00 573.00 3 Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm kms 194.00 88.00 88.00 88.00 458.00 4 Mid-Span Cable Connector/Junction Sleeve set 1,944.00 880.00 880.00 880.00 4,584.00 -C.2 Poles and Accessories ---C.2.1 STP Pole and Accessories ---1 8 m Steel Tubular Pole nos. 11,550.00 5,250.00 5,250.00 5,250.00 27,300.00 2 Anchor Assembly for Messenger 4,620.00 2,100.00 2,100.00 2,100.00 10,920.00 set 3 Suspension Assembly for Messenger set 10,857.00 4,935.00 4,935.00 4,935.00 25,662.00 4 Insulated Piercing Connector set 29,568.00 13,440.00 13,440.00 13,440.00 69,888.00 5 Angle Plate set 2.310.00 1.050.00 1.050.00 1.050.00 5.460.00 6 Insulated Cable Cap set 18,480.00 8,400.00 8,400.00 8,400.00 43,680.00 -7 Pig Tail with Fabricated Eye 12,243.00 5,565.00 5,565.00 5,565.00 28,938.00 set --8 Pole Clamp with Nut, Bolt and Washers 14.553.00 6.615.00 34.398.00 set 6 615 00 6 615 00 9 Twisted Double Eye set 4,158.00 1,890.00 1,890.00 1,890.00 9.828.00 C.2.2 Stays ---Pole Clamp with Nut, bolt and washers (TC3), with channel and support 2,100.00 2,100.00 2,100.00 10,920.00 nos. 4,620.00 structures all complete as per design and drawings 2 Bolts with suitable nuts and washers (M16 x 50 mm) 9,240.00 4,200.00 4,200.00 4,200.00 21,840.00 nos. 3 Bolts with suitable nuts and washers (M16 x 100 mm) nos. 9,240.00 4,200.00 4,200.00 4,200.00 21,840.00 4 Stay Wire, (7/10 SWG minimum) kg 46,200.00 21,000.00 21,000.00 21,000.00 109,200.00 5 Stay/Guy Insulator nos. 4.620.00 2.100.00 2.100.00 2.100.00 10.920.00 6 Stay Turn Buckle including Thimble, (18 SWG minimum) nos. 4,620.00 2,100.00 2,100.00 2,100.00 10,920.00 -7 Stay I bolt, (12 inch minimum) 4,620.00 2,100.00 2,100.00 2,100.00 10,920.00 set -लियुत पाहि 8 Stay I Rod/Anchor Rod, (minimum 1600 mm) 4.620.00 2.100.00 2.100.00 2.100.00 10.920.00 nos



Name of Tenderer \_\_\_\_\_

#### Nepal Electricity Authority

## Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

														FC: USD	LC: NPR
ltem	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)		Qua	ntity		Total Quantity	Unit Rate, D		ortation and Insu ency	rance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
		Ongin		Foreign Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP		Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Foreign Currency	Local Currency
1		2		5		(	5		7 = Σ6		1	3		9 = 5 x 7	10 = Σ(π(8 x 6))
	2	3	-	3	A	в	с	D	/ - 20	A	В	с	D	9-31/	10 - 2(/((8 x 6))
9	Bow set with Thimble		nos.		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00					-	-
10	Stay Grip		nos.		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00					-	-
11	Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)		set		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00					-	-
									-					-	-
C.3	Special Components								-					-	-
1	9 m Steel Tubular Pole		nos.		5.00	5.00	5.00	5.00	20.00					-	-



Name of Tenderer \_

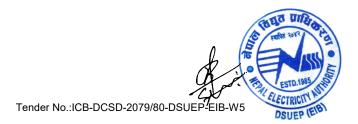
# Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

# Schedule of Rates and Prices

Summary of Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

		FC: USD	LC: NPR
Schedule No.	Title	Total	Price
Schedule No.	inte	Foreign Currency	Local Currency
А.	11 kV Line		-
В.	Distribution Transformers and Switchgear		-
С.	Low Tension Lines		-
	Grand Total to be carried forward to Schedule 5	-	-



Name of Tenderer

Signature of Tenderer\_\_\_\_

Procurement of Plant

#### Nepal Electricity Authority

#### Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

Image: participant set in the se	tion and Total Price
1         2         3         4         A         A         C         D         A         A         B         C         B         A         B         C         D         A         B         C         D         A         B         C         D         A         B         B         C         D	Local Currency
Image: second	
A1         Conductors         D <thd< th="">         D         <thd< th=""><th>10 = 8 + 9</th></thd<></thd<>	10 = 8 + 9
I KJE Overhead Covered Conductor, 100 kg mm, with 5% Sag         Ints         91.00         46.00         17.00         170.00         Image: Conductor, 55 sg mm, with 5% Sag         Image: Conductor, 100 Sg mm, with 5% Sag	
2         KPE Overhead Converted Conductor, 55 sq. mm, with 5% sqg         kms         514.00         257.00         96.00 <t< td=""><td></td></t<>	
Image: Non-Section Conductor. rated min SOOA)         set         1,152.00         576.00         216.00         21.60.0         Image: Non-Section Conductor. rated min SOOA)         set         1,152.00         576.00         21	
At Tension/Androing Assembly (including Anti-tracking Device and Socket Eye)       set       18.00       9.00       3.00       33.00       33.00       4       4       4       4       1       5       Polymerk Pn Tiss, and Top Tiss       set       18.00       9.00       3.00       33.00       33.00       4	
bylymetr Pin Ties, and Top Ties         set         18.00         9.00         3.00	
Insulation Piering Connectors (PC) - Type 1         set         18.00         9.00         3.00	
7       Insulation Piercing Connectors (IPC) - Type 2       set       18.00       9.00       3.00       <	
B         Insulation Piercing Connectors (IPC) - Type 3         set         71.0         35.0         35.0         176.0         Image: Connectors (IPC) - Type 3         Set         71.0         35.0         35.0         176.0         Image: Connectors (IPC) - Type 3         Image: Connectors (IPC) - Type 3         Image: Connectors (IPC) - Type 3         Set         71.0         35.00         35.00         176.00         Image: Connectors (IPC) - Type 3         Set         71.00         35.00         35.00         176.00         Image: Connectors (IPC) - Type 3	
A2Poles and AccessoriesIII <th< td=""><td></td></th<>	
A2         Poles and Accessories         Image: Construct in the second s	
A.2.STP Pole and Accessories - Single CircuitImage: Constraint of the second sec	
1       11 M Steel Tubular Pole       nos.       3,040.00       1,520.00       570.00       570.00       C       C       C       C       C         2       Back Strap       nos.       4,104.00       2,052.00       770.00       7,696.00       C <td></td>	
2       Back Strap       nos.       4,104.00       2,052.00       770.00       7,696.00       Image: Constraint of the straint of the str	
3Bolts with suitable nuts and washers (M16 x 100 mm)nos.16,72.008,360.003,135.003,135.0031,35.00<	
4       Bolts with suitable nuts and washers (M16 x 235 mm)       nos.       304.00       152.00       57.00       57.00       57.00       684.00       627.00	
5Bolts with suitable nuts and washers (M16 x 50 mm)nos.3,648.001,824.00684.00684.006.840.00Image: Constraint of the second s	
6Disc Type Insulator for 11 kVset4,104.002,052.00770.0077696.00Image: Constant of the constant	
AAA	
8Insulator Pin for Pin Insulator of 11 kVset6,840.003,420.001,283.0012,826.0012,826.001119Interconnecting Clamp for MVCCset912.00456.00171.00171.00171.0011<	
9Interconnecting Clamp for MVCCset912.00456.00171.00171.001,710.00Image: Clamp of the set of the se	
Image: construction of the con	
Image: Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawingsset5,016.002,508.00941.009406.00Image: Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawingsset5,016.002,508.00941.009406.00Image: Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawingsset3,344.001,672.00627.00627.006,270.00Image: Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel setset304.00152.0057.0057.00570.00Image: Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and setset304.00152.0057.0057.00570.00Image: Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and setset304.00152.0057.00570.00570.00Image: Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and setset304.00152.0057.00570.00570.00Image: Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawingsset304.00152.00570.00570.00570.00Image: Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and set304.00152.00570.00570.00Image: Pole Clamp with Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawingsSet304.00152.00570.00570.00I	
structures all complete as per design and drawings       c	
12       Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings       set       3,344.00       1,672.00       627.00       627.00       6,270.00       Image: Complete as per design and drawings       Image: Complete as per design and drawings       set       3,344.00       1,672.00       627.00       627.00       6,270.00       Image: Complete as per design and drawings       Image: Complete as per design and drawings       set       304.00       152.00       57.00       570.00       Image: Complete as per design and drawings       Image: Complete as per design and drawings       set       304.00       152.00       57.00       570.00       Image: Complete as per design and drawings       Image: Complete as per design and drawings       Image: Complete as per design and drawings       Set       304.00       152.00       57.00       570.00       Image: Complete as per design and drawings       Set       304.00       152.00       57.00       570.00       Image: Complete as per design and drawings       Image: C	
13       Pole Clamp with Nut, bolt and washers, Bottom Bracing (TCS) with channel and support structures all complete as per design and drawings       set       304.00       152.00       57.00       570.00       570.00            14       Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings       set       304.00       152.00       57.00       570.00 <td></td>	
support structures all complete as per design and drawings	
15 Preformed Pin Ties, Top Ties set 6,840.00 3,420.00 1,283.00 1,283.00 12,826.00	
16         Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)         nos.         304.00         152.00         57.00         570.00         570.00         6	
17       Stay I Rod/Anchor Rod, (minimum 1600 mm)       nos.       1,368.00       684.00       257.00       2,566.00	



#### Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

			Unit Rate,		Ouz	antity			Unit Rate,	Domestic Transp		urance, Local	Total EXW Price	Total, Domestic Transportation and	LC: NPR
ltem	Description	Unit	EXWorks	Bajhang	Rukum East			Total Quantity	Bajhang	Curi Rukum East	rency			Insurance	
			Local Currency	DSUEP	DSUEP		Rolpa DSUEP		DSUEP	DSUEP		Rolpa DSUEP	Local Currency	Local Currency	Local Currency
1	2	3	4			5		6 = Σ5			7		8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
				A	В	c	D		A	В	c	D			
	iteel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)	nos.		152.00	76.00	29.00	29.00	286.00							
	iteel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)	nos.		304.00	152.00	57.00	57.00	570.00							
	iteel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)	nos.		1,368.00	684.00	257.00	257.00	2,566.00							
	itrap for Insulator String for 11 kV (100 x 5 x 350 mm)	set		912.00	456.00	171.00	171.00	1,710.00							
22 T	ension Set with Ball and Socket Eye	Set		4,104.00	2,052.00	770.00	770.00	7,696.00							
23 0	Offset Cross-Arm for Covered Conductor with all accessories complete	set		608.00	304.00	114.00	114.00	1,140.00							
A.2.2 S	TP Pole and Accessories - Double Circuit							-							
1 1	.1 m Steel Tubular Pole	nos.		214.00	107.00	40.00	40.00	401.00							
2 E	Back Strap	nos.		578.00	289.00	108.00	108.00	1,083.00							
3 E	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		2,654.00	1,327.00	496.00	496.00	4,973.00							
4 B	Bolts with suitable nuts and washers (M16 x 235 mm)	nos.		65.00	33.00	12.00	12.00	122.00							
5 E	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		482.00	241.00	90.00	90.00	903.00							
6 0	Disc Type Insulator for 11 kV	set		578.00	289.00	108.00	108.00	1,083.00							
7 F	lat Crossarm Brace 11 kV (50 x 6 x 666 mm)	nos.		707.00	354.00	132.00	132.00	1,325.00							
8 1	nsulator Pin for Pin Insulator of 11 kV	set		963.00	482.00	180.00	180.00	1,805.00							
9 li	nterconnecting Clamp for MVCC	set		129.00	65.00	24.00	24.00	242.00							
10 P	in Type Insulator for 11 kV	nos.		963.00	482.00	180.00	180.00	1,805.00							
	Pole Clamp with Nut, bolt and washers (TC1) with channel and support tructures all complete as per design and drawings	set		931.00	466.00	174.00	174.00	1,745.00							
12	Pole Clamp with Nut, bolt and washers (TC2) with channel and support tructures all complete as per design and drawings	set		354.00	177.00	66.00	66.00	663.00							
a	ole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel ind support structures all complete as per design and drawings	set		22.00	11.00	4.00	4.00	41.00							
	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and upport structures all complete as per design and drawings	set		22.00	11.00	4.00	4.00	41.00							
15 P	Preformed Pin Ties, Top Ties	set		963.00	482.00	180.00	180.00	1,805.00							
16 S	teel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm)	nos.		11.00	6.00	2.00	2.00	21.00							
17 S	teel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)	nos.		11.00	6.00	2.00	2.00	21.00							
18 S	teel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)	nos.		450.00	225.00	84.00	84.00	843.00							
19 S	teel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm)	nos.		257.00	129.00	48.00	48.00	482.00							
20 S	iteel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm)	nos.		22.00	11.00	4.00	4.00	41.00							
21 S	trap for Insulator String for 11 kV (100 x 5 x 350 mm)	set		97.00	49.00	18.00	18.00	182.00							
22 T	ension Set with Ball and Socket Eye	set		578.00	289.00	108.00	108.00	1,083.00							



#### Nepal Electricity Authority

#### Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

		Description Unit Atte, Quantity To Description To					Unit Rate,		ortation and Insu	irance, Local	Total EXW Price	Total, Domestic Transportation and	Total Price		
item	Description	Unit	EXWorks			1		Total Quantity			rency			Insurance	
			Local Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP		Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Local Currency	Local Currency	Local Currency
1	2	3				5		6 = Σ5			7		8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
1	2	3	-	A	В	с	D	0 - 25	A	В	с	D	8-410	9 - 2(/(,5 X /))	10-8+9
23	3 Offset Cross-Arm for Covered Conductor with all accessories complete	set		86.00	43.00	16.00	16.00	161.00							
A.2.3	3 Stays							-							
1	Pole Clamp with Nut, bolt and washers (TC3) with channel and support structures all complete as per design and drawings	set		1,302.00	651.00	244.00	244.00	2,441.00							
2	2 Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		2,604.00	1,302.00	488.00	488.00	4,882.00							
3	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		2,604.00	1,302.00	488.00	488.00	4,882.00							
2	4 Stay Wire, (7/10 SWG minimum)	kg		13,020.00	6,510.00	2,440.00	2,440.00	24,410.00							
5	5 Stay/Guy Insulator	nos.		1,302.00	651.00	244.00	244.00	2,441.00							
6	5 Stay Turn Buckle including Thimble, (18 SWG minimum)	nos.		1,302.00	651.00	244.00	244.00	2,441.00							
7	7 Stay I bolt, (12 inch minimum)	nos.		1,302.00	651.00	244.00	244.00	2,441.00							
8	3 Stay I Rod/Anchor Rod, (minimum 1600 mm)	nos.		1,302.00	651.00	244.00	244.00	2,441.00							
9	9 Bow set with Thimble	nos.		1,302.00	651.00	244.00	244.00	2,441.00							
10	) Stay Grip	nos.		1,302.00	651.00	244.00	244.00	2,441.00							
11	Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum)	nos.		1,302.00	651.00	244.00	244.00	2,441.00							
A.3	Special Components							-							
	1 Power Arc Devices (3 Nos. per set)	set		18.00	9.00	3.00	3.00	33.00							



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#### Nepal Electricity Authority

## Distribution and Consumer Services Directorate

### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

				1									1		LC: NPR
ltem	Description	Unit	Unit Rate, EXWorks		Qua	intity		Total Quantity	Unit Rate, I		oortation and Ins rrency	urance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
nem	Description	Unit	Local Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Total Quantity	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Local Currency	Local Currency	Local Currency
1	2	3	4			5		6 = Σ5			7		8=4×6	9 = Σ(π(5 x 7))	10 = 8 + 9
	-			A	В	c	D	-13	A	В	c	D	0-440	5-2(4,5 × 7))	
В.	Distribution Transformer and Switchgear Components							-							
B.1	Distribution Transformer							-							
	11/0.4kV 25kVA 3 ph. Distribution Transformer	set		60.00	24.00	24.00	24.00	132.00							
	2 11/0.4kV 50kVA 3 ph. Distribution Transformer	set		10.00	10.00	10.00	10.00	40.00							
B.2	Transformer Platform							-							
	Transformer Platform for 25 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set		60.00	24.00	24.00	24.00	132.00							
:	Transformer Platform for 50kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set		10.00	10.00	10.00	10.00	40.00							
B.3	Surge Protection Devices and Accessories							-							
	9 kV Surge Arrester for Three Phase Transformer	set		70.00	34.00	34.00	34.00	172.00							
	Drop Out Fuse of suitable Capacity for Three Phase Transformer	set		70.00	34.00	34.00	34.00	172.00							
	Outdoor Pole Mounted Distribution Panel Board (with 50A TP MCCB-1 Nos, 32A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		60.00	24.00	24.00	24.00	132.00							
	Outdoor Pole Mounted Distribution Panel Board (with 80A TP MCCB-1 Nos, 50A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		10.00	10.00	10.00	10.00	40.00							
	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)	m		350.00	170.00	170.00	170.00	860.00							
B.4	Switchgear, Data Instrumentation System and Accessories							-							
	Load Break Switch	set		19.00	10.00	4.00	4.00	37.00							
	Transformer Data Instrumentation System with every minute data logging and transfer to Server at Regional Control Centre and programmed locations as per specifications all complete - 3 Phase, with IP 67 Box, platform and connection system (Current, Voltage, Power, Power Factor, THD, Oil Temperature, Status, Daily Load Curve, local storage and transfer via GSM)			70.00	34.00	34.00	34.00	172.00							
:	Load Break Switch Data Instrumentation System with every minute data logging and transfer to Server at Regional Control Centre and programmed locations as per specifications all complete - 3 Phase, with IP 67 Box, platform and connection system (Current, Voltage, Daily Load Curve, Status, local storage and transfer via GSM)	set		19.00	10.00	4.00	4.00	37.00							
	Earthing Set for Transformer all complete (Body, Neutral and Lightning Earthing all complete)	set		70.00	34.00	34.00	34.00	172.00							



Name of Tenderer

Single-Stage: Two-Envelope

#### Nepal Electricity Authority

## Distribution and Consumer Services Directorate Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

	Description	Unit	Unit Rate, EXWorks		Qua	ntity		Total Quantity	Unit Rate, D	Oomestic Transpo Curr		irance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Total Quantity	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Local Currency	Local Currency	Local Currency
1	2	3	4		5	5		6 = Σ5			7		8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
	-			A	В	с	D	0-25	A	В	с	D	0-480	5 - 2(A)5 x / //	10-010
с	Low Tension Line							-							
C.1	Conductor							-							
1	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	kms		49.00	22.00	22.00	22.00	115.00							
2	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	kms		243.00	110.00	110.00	110.00	573.00							
3	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm	kms		194.00	88.00	88.00	88.00	458.00							
4	Mid-Span Cable Connector/Junction Sleeve	set		1,944.00	880.00	880.00	880.00	4,584.00							
								-							
	Poles and Accessories							-							
C.2.1	STP Pole and Accessories							-							
1	8 m Steel Tubular Pole	nos.		11,550.00	5,250.00	5,250.00	5,250.00	27,300.00							
2	Anchor Assembly for Messenger	set		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
3	Suspension Assembly for Messenger	set		10,857.00	4,935.00	4,935.00	4,935.00	25,662.00							
4	Insulated Piercing Connector	set		29,568.00	13,440.00	13,440.00	13,440.00	69,888.00							
5	Angle Plate	set		2,310.00	1,050.00	1,050.00	1,050.00	5,460.00							
6	Insulated Cable Cap	set		18,480.00	8,400.00	8,400.00	8,400.00	43,680.00							
7	Pig Tail with Fabricated Eye	set		12,243.00	5,565.00	5,565.00	5,565.00	28,938.00							
8	Pole Clamp with Nut, Bolt and Washers	set		14,553.00	6,615.00	6,615.00	6,615.00	34,398.00							
9	Twisted Double Eye	set		4,158.00	1,890.00	1,890.00	1,890.00	9,828.00							
				Ì				-							



Name of Tenderer \_\_\_\_\_

#### Nepal Electricity Authority

## Distribution and Consumer Services Directorate Distribution System Upgrade and Expansion Project

## Schedule of Rates and Prices

#### Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

ltem	Description	Unit	Unit Rate, EXWorks		Qua	ntity		Total Quantity	Unit Rate,		ortation and Insu rency	irance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
item	Description	Unit	Local Currency	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Total Quantity	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Local Currency	Local Currency	Local Currency
1	2	3			!	5		6 = Σ5			7		8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
1	2	3		A	В	с	D	0-25	A	В	с	D	0-410	5-2(((5 x 7))	10-8+9
C.2.2	2 Stays							-							
3	1 Pole Clamp with Nut, bolt and washers (TC3), with channel and support structures all complete as per design and drawings	nos.		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
1	2 Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		9,240.00	4,200.00	4,200.00	4,200.00	21,840.00							
3	3 Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		9,240.00	4,200.00	4,200.00	4,200.00	21,840.00							
4	4 Stay Wire, (7/10 SWG minimum)	kg		46,200.00	21,000.00	21,000.00	21,000.00	109,200.00							
ţ	5 Stay/Guy Insulator	nos.		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
(	6 Stay Turn Buckle including Thimble, (18 SWG minimum)	nos.		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
	7 Stay I bolt, (12 inch minimum)	set		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
8	8 Stay I Rod/Anchor Rod, (minimum 1600 mm)	nos.		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
9	9 Bow set with Thimble	nos.		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
10	0 Stay Grip	nos.		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
1	$1 \\ Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)$	set		4,620.00	2,100.00	2,100.00	2,100.00	10,920.00							
C.3	Special Components							-							
	1 9 m Steel Tubular Pole	nos.		5.00	5.00	5.00	5.00	20.00							



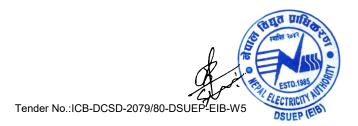
# Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

# Schedule of Rates and Prices

# Summary of Schedule No. 3: Design Services (Excluding VAT applicable in Employer's Country)

		FC: USD	LC: NPR
Schedule No.	Title	Total	Price
Schedule No.	inte	Foreign	Local
А.	11 kV Line	-	-
В.	Distribution Transformers and Switchgear	-	-
C.	Low Tension Lines	-	-
	Grand Total to be carried forward to Schedule 5	-	-



Name of Tenderer

## Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

## Schedule of Rates and Prices

## Schedule No. 3: Design Services (Excluding VAT applicable in Employer's Country)

FC: USD LC: NPR

				Unit F	Price	Total I	Price
ltem	Description	Unit	Quantity	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	Local Currency Portion
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
A.	11 kV Line						
1	Preconstruction Survey, Design and Drawings of 11 kV Line as per the scope of the project	kms	360.00			-	-
2	As Built Drawings, Testing and Commissioning of 11kV Line as per the scope of the project	kms	360.00			-	-
В.	Distribution Transformers and Switchgear					-	-
	Design, Drawings, Identification of Location and Capacity of 11/0.4 kV Distribution Transformer including data communication system, Lightning Arrester, MCCB, earthing, etc. all complete as per the scope of the project	set	172.00			-	-
2	As Built Drawings, Testing and Commissioning of 11/0.4 kV Distribution Transformer including data communication system, Lightning Arrester, MCCB, earthing, etc. all complete as per the scope of the project		172.00			-	-
3	Design, Drawings, Identification of Location and Capacity of Switchgear like load break switches including data communication system as per the scope of the project	set	37.00			-	-
4	As Built Drawings, Testing and Commissioning of Switchgear like load break switches including data communication system as per the scope of the project	set	37.00			-	-
C.	Low Tension Lines					-	-
1	Preconstruction Survey, Design and Drawings of Low Tension Line as per the scope of the project	kms	1,092.00			-	_
	As Built Drawings, Testing and Commissioning of Low Tension Line as per the scope of the project	kms	1,092.00			-	-



Name of Tenderer \_\_\_\_\_

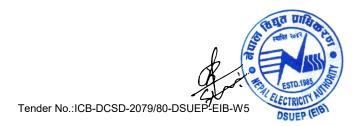
# Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

# Schedule of Rates and Prices

# Summary of Schedule No. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

		FC: USD	LC: NPR
Schedule No.	Title	Total	Price
Schedule NO.	inte	Foreign Currency	Local Currency
A.	11 kV Line		-
В.	Distribution Transformers and Switchgear		-
C.	Low Tension Lines		-
D.	Environmental and Social Mitigation Works		35,000,000.00
	Grand Total to be carried forward to Schedule 5	-	35,000,000.00



Name of Tenderer

## Nepal Electricity Authority

### Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

## Schedule of Rates and Prices

## Schedule No. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

												LC. INFIN
				Qua	ntity				Unit Price, L	ocal Currency		Total Price
Item	Description	Unit	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Total Quantity	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Local Currency
		-			4		5 = Σ4			6		7 5/-/4 6))
1	2	3	A	В	с	D	5 = 24	A	В	с	D	7 = Σ(π(4 x 6))
A	11 kV Lines											
A.1	Conductors						-					-
1	Stringing of Covered Conductor (XLPE insulated, 100 sq.mm. AAC)	kms	91.00	45.00	17.00	17.00	170.00					-
2	Stringing of Covered Conductor (XLPE insulated, 55 sq.mm. AAC)	kms	514.00	257.00	96.00	96.00	963.00					-
							-					-
A.2	Poles and accessories		-				-					-
1	Hardware and transportation of 11 m long Steel tubular pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete		3,254.00	1,627.00	610.00	610.00	6,101.00					-
2	Stay sets, with stay wire, rod, ties & insulator all complete including transportation to site.	set	1,302.00	651.00	244.00	244.00	2,441.00					-
3	Providing and laying of plain cement concrete (PCC) M15 (manual mixed) in foundation complete as per drawing and technical specifications for 11 m STP.	cum	1,708.01	854.00	320.19	320.19	3,202.38					-
A.3	Dismantling Works						-					-
1	Dismantling of existing HT Poles (Dismantle 11m or 10m or 9m or 8m Wooden, Steel Tubular or PSC Type poles and carry back to office store safely) all complete	Nos.	10.00	10.00	20.00	10.00	50.00					-
2	Dismantling of existing HT or LT wire (Dismantle and carry back to office store safely) all complete	kms	2.00	2.00	10.00	2.00	16.00					-
							-					-
A.4	Reconductoring Works						-					-
1	Recondutoring of 11 kV lines/LT for certain sections as double or single circuit	kms	10.00	10.00	10.00	10.00	40.00					-
2	Reconnection Works of Service Cable (Single Phase)	set	10.00	10.00	10.00	10.00	40.00					-
3	Reconnection Works of Service Cable (Three Phase)	set	10.00	10.00	10.00	10.00	40.00					-



Name of Tenderer

Signature of Tenderer\_

Single-Stage: Two-Envelope

## Nepal Electricity Authority

## Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

## Schedule of Rates and Prices

## Schedule No. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

												LC. NI N
ltem	Description	Unit	Quantity				Unit Price, Local Currency			Total Price		
			Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Total Quantity	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Local Currency
1	2		4			5 = Σ4	6			7 = Σ(π(4 x 6))		
	2	3	A	В	с	D	5 = 24	Α	В	с	D	7 - 2()((4 X 0))
В	Distribution Transformer											
B.1	Distribution Transformer, Distribution Panel Board, Instrumentation System, Cable all complete						-					-
4	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 25 kVA, 3 phase	set	60.00	24.00	24.00	24.00	132.00					-
5	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 50 kVA, 3 phase	set	10.00	10.00	10.00	10.00	40.00					-
							-					-
B.2	Switchgear and Accessories						-					-
1	Surge Arrester Installation and Commissioning all complete	set	55.00	25.00	25.00	25.00	130.00					-
2	Drop-Out Fuse Installation and Commissioning all complete	set	55.00	25.00	25.00	25.00	130.00					-
4	Installation of 3 phase MCCB ( upto 350 A)	set	55.00	25.00	25.00	25.00	130.00					-
6	Supply, Installation and Commissioning of Earthing Set, all three viz. Body, Neutral and Arrester earthing, for distribution transformer all complete as per NEA Standards	set	55.00	25.00	25.00	25.00	130.00					-
8	Supply, Installation and Commissioning of Data Instrumentation System all complete - 3 phase	set	55.00	25.00	25.00	25.00	130.00					-
9	Installation and Commissioning of Load Break Switches	set	19.00	10.00	4.00	4.00	37.00					-
10	Supply, Installation and Commissioning of Data Instrumentation System all complete for Load Break Switches	set	19.00	10.00	4.00	4.00	37.00					-



## Nepal Electricity Authority

## Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

## Schedule of Rates and Prices

## Schedule No. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

ltem	Description		Quantity				Unit Price, Local Currency			Total Price		
			Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Total Quantity	Bajhang DSUEP	Rukum East DSUEP	Baitadi DSUEP	Rolpa DSUEP	Local Currency
	_	3	4				6			7 7/-(4 - 6))		
1	2		A	В	с	D	5 = Σ4	A	В	с	D	7 = Σ(π(4 x 6))
с	Low Tension Lines											
C.1	Stringing of Conductor including all accessories and hardware fittings						-					-
1	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	kms	49.00	22.00	22.00	22.00	115.00					-
2	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	kms	243.00	110.00	110.00	110.00	573.00					-
3	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm	kms	194.00	88.00	88.00	88.00	458.00					-
							-					-
C.2	Poles and accessories						-					-
1	Hardware and transportation of 8m long Steel Tubular Pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete		11,550.00	5,250.00	5,250.00	5,250.00	27,300.00					-
2	Stay sets, with stay wire, rod, ties & insulator all complete including transportation to site.	set	4,620.00	2,100.00	2,100.00	2,100.00	10,920.00					-
3	Providing and laying of plain cement concrete (PCC) M15 (manual mixed) in foundation complete as per drawing and technical specifications for 8 m STP.	1	4,043.01	1,837.73	1,837.73	1,837.73	9,556.21					-
C.3	Dismantling Works		-				-					-
1	Dismantling of existing LT Poles (Dismantle 9m or 8m Wooden, Steel Tubular or PSC Type poles and carry back to office store safely) all complete		10.00	10.00	10.00	10.00	40.00					-
	Dismantling of existing LT Conductor-4,3 or 2 wire (Dismantle and carry back to office store safely) all complete	kms	2.00	2.00	2.00	2.00	8.00					-
							-					-



Name of Tenderer

#### Nepal Electricity Authority

#### Distribution and Consumer Services Directorate

#### Distribution System Upgrade and Expansion Project

#### Schedule of Rates and Prices

#### Schedule No. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

Quantity Unit Price, Local Currency Total Price Description Unit Total Quantity ltem Bajhang Rukum East Bajhang Rukum East Baitadi DSUEP Rolpa DSUEP Baitadi DSUEP Rolpa DSUEP Local Currency DSUEP DSUEP DSUEP DSUEP 4 6  $7 = \Sigma(\pi(4 \ge 6))$ 1 2 3 5 = Σ4 Α в с D Α в с D C.4 Reconductoring Works --Recondutoring of 11 kV lines or LT for certain sections as double or single 10.00 10.00 10.00 50.00 kms 20.00 \_ circuit 2 Reconnection Works of Service Cable (Single Phase) 10.00 10.00 set 30.00 10.00 60.00 -3 Reconnection Works of Service Cable (Three Phase) 10.00 10.00 10.00 10.00 40.00 set ---C.5 Special Components --Hardware and transportation of 9 m long Steel tubular pole including 1 erection - excavation of footing, making pole vent, placing in footing, set 5.00 5.00 5.00 5.00 20.00 backfilling, concreting all complete



Name of Tenderer

# Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

# Schedule of Rates and Prices

# Schedule No. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

			FC: USD	LC: NPR
ltem	Description		Total Price	Total Price
			Foreign Currency	Local Currency
1	2	4	6	7
D.	Environmental Mitigation Works			
D.1	Environmental and Social Mitigation Works			
1	Environmental and Social Mitigation Works as assigned by Client (Provisional Sum).	lot		35,000,000.00



Name of Tenderer

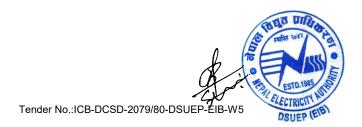
## Distribution and Consumer Services Directorate

## Distribution System Upgrade and Expansion Project

## Schedule of Rates and Prices

# Schedule No. 6: Recommended Spare Parts (Excluding VAT Applicable in Employer's Country)

					FC: USD	LC: NPR	
	Description	Quantity	Unit	Price	Total Price		
			CIP	EXW			
ltem			Imported Parts	Local Parts	Foreign Currency Portion	Local Currency Portion	
			Foreign Currency	Local Currency			
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5	



Name of Tenderer