

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



Re-TENDER DOCUMENT

for

Procurement of material, equipment, associated accessories and necessary installation services including design, erection, testing, and commissioning of 33/11 kV Substations and 33 kV, 11 kV, 400 V Lines and Distribution System Network

Package No. W1 Sub Project: Ghorahi-Hapur, Ghorahi-Makaundanda, and Lamahi-Gadhawa of Dang District

**Single-Stage: Two-Envelope
Tender Procedure**

Issued on:

Invitation for Re-Tenders No.: ICB-DCSD-2078/79-DSUEP-AIIB-W1

Contract Ref. No.: ICB-DCSD-2078/79-DSUEP-AIIB-W1

Employer: Nepal Electricity Authority

Country: Nepal

Volume IIIB of III

(Price Schedule of 11 kV Lines, Distribution Transformers and Low-Tension lines)

Distribution System Upgrade and Expansion Project

Distribution and Consumer Services Directorate

Nepal Electricity Authority

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Volume III

Section 4: Tender Forms

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Name of Tenderer _____

Signature of Tenderer _____



Single Stage: Two Envelope

Volume III

Section 4: Tender Forms

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Name of Tenderer _____

Signature of Tenderer _____



Nepal Electricity Authority
 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)

Schedule No.	Title	Total Price	
		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 _____

Signature of Tenderer _____



Nepal Electricity Authority
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)

Item	Description	Total Price	
		Foreign Currency	Local Currency
1	2	3	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		
3	Low Tension Lines		
3.1	Plant and Mandatory Spare Parts Supplied from Abroad		
3.2	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country		
3.3	Design Services		
3.4	Installation and Other Services		

Name of Tenderer _____

Signature of Tenderer _____



Nepal Electricity Authority
 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)

Item	Description	Total Price	
		Foreign Currency	Local Currency
1	2	3	4
T-3	Sub Total of Low Tension Lines		
4	Environmental and Mitigation Works		
4.1	Mitigation Works		
T-4	Sub Total of Environmental and Mitigation Works		
Grand Total (Sum of T-1 ... T-4)			

Name of Tenderer _____

Signature of Tenderer _____



Nepal Electricity Authority
 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)

Schedule No.	Title	Total Price	
		Foreign Currency	Local Currency
A.	11 kV Line		
B.	Distribution Transformers and Switchgear		
C.	Low Tension Lines		
Grand Total to be carried forward to Schedule 5			

Name of Tenderer _____

Signature of Tenderer _____

Single-Stage: Two-Envelope



Procurement of Plant

Tender No.: ICB-DCSD-2078/79-DSUEP-AIIB-W1

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)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)		Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi	Ghorahi Hapur		Lamahi	Ghorahi	Ghorahi Hapur	Lamahi	Foreign Currency	Local Currency
					Makaundanda			Gadhawa					
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))
					A	B	C		A	B	C		
A.	11 kV Line							-					
A.1	Conductors							-					
1	XLPE Overhead Covered Conductor, 100 sq mm. with 5% Sag		kms		263.08	282.29	142.93	688.30					
2	Mid-Span Joining Sleeve (Covered Conductor. rated min 500A)		set		501.10	537.69	272.25	1,311.04					
3	Tension/Anchoring Assembly (including Anti-tracking Device and Socket Eye)		set		53.00	56.00	29.00	138.00					
4	Polymeric Pin Ties, and Top Ties		set		53.00	56.00	29.00	138.00					
5	Insulation Piercing Connectors (IPC) - Type 1		set		53.00	56.00	29.00	138.00					
6	Insulation Piercing Connectors (IPC) - Type 2		set		53.00	56.00	29.00	138.00					
7	Insulation Piercing Connectors (IPC) - Type 3		set		36.00	51.00	51.00	138.00					
								-					
A.2	Poles and Accessories							-					
A.2.1	PSC Pole and Accessories							-					
1	11m PSC Pole		nos.		1,003.00	1,076.00	545.00	2,624.00					
2	Back Strap		nos.		2,709.00	2,906.00	1,472.00	7,087.00					
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		12,438.00	13,343.00	6,758.00	32,539.00					
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		301.00	323.00	164.00	788.00					
5	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		2,257.00	2,421.00	1,227.00	5,905.00					
6	Disc Type Insulator for 11 kV		set		2,709.00	2,906.00	1,472.00	7,087.00					
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.		3,310.00	3,551.00	1,799.00	8,660.00					
8	Insulator Pin for Pin Insulator of 11 kV		set		4,514.00	4,842.00	2,453.00	11,809.00					
9	Pin Type Insulator for 11 kV		nos.		4,514.00	4,842.00	2,453.00	11,809.00					
10	Pole Clamp with Nut, bolt and washers (PC1), Clamp Section (50 x 6 mm)		set		1,655.00	1,776.00	900.00	4,331.00					

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. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)		Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)		Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Ghorahi Makaundanda		Ghorahi Hapur	Lamahi Gadhawa	Foreign Currency	Local Currency	Local Currency	
															A
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))		
11	Pole Clamp with Nut, bolt and washers (PC2), Clamp Section (50 x 6 mm)		set		1,104.00	1,184.00	600.00	2,888.00							
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (PC5), Clamp Section (50 x 6 mm)		set		101.00	108.00	55.00	264.00							
13	Pole Clamp with Nut, bolt and washers, Top Bracing (PC4), Clamp Section (50 x 6 mm)		set		101.00	108.00	55.00	264.00							
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)		nos.		101.00	108.00	55.00	264.00							
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)		nos.		452.00	485.00	246.00	1,183.00							
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)		nos.		51.00	54.00	28.00	133.00							
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)		nos.		101.00	108.00	55.00	264.00							
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)		nos.		452.00	485.00	246.00	1,183.00							
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		452.00	485.00	246.00	1,183.00							
20	Offset Cross-Arm for Covered Conductor with all accessories complete		set		601.80	645.60	327.00	1,574.40							
								-							
A.2.2	STP Pole and Accessories - Single Circuit							-							
1	11 M Steel Tubular Pole		nos.		-	-	-	-							
2	Back Strap		nos.		-	-	-	-							
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		-	-	-	-							
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		-	-	-	-							
5	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		-	-	-	-							
6	Disc Type Insulator for 11 kV		set		-	-	-	-							

Name of Tenderer _____

Signature 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)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)			Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)		Total, Domestic Transportation and Insurance	
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	A	B		C	7 = Σ6	A	B	C	9 = 5 x 7	10 = Σ(π(8 x 6))
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.	-	-	-	-	-	-	-	-	-	-	-	-		
8	Insulator Pin for Pin Insulator of 11 kV		set	-	-	-	-	-	-	-	-	-	-	-	-		
9	Pin Type Insulator for 11 kV		nos.	-	-	-	-	-	-	-	-	-	-	-	-		
10	Pole Clamp with Nut, bolt and washers (TC1), Clamp Section as per design and drawings		set	-	-	-	-	-	-	-	-	-	-	-	-		
11	Pole Clamp with Nut, bolt and washers (TC2), Clamp Section as per design and drawings		set	-	-	-	-	-	-	-	-	-	-	-	-		
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5), Clamp Section as per design and drawings		set	-	-	-	-	-	-	-	-	-	-	-	-		
13	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4), Clamp Section as per design and drawings		set	-	-	-	-	-	-	-	-	-	-	-	-		
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)		nos.	-	-	-	-	-	-	-	-	-	-	-	-		
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)		nos.	-	-	-	-	-	-	-	-	-	-	-	-		
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)		nos.	-	-	-	-	-	-	-	-	-	-	-	-		
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)		nos.	-	-	-	-	-	-	-	-	-	-	-	-		
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)		nos.	-	-	-	-	-	-	-	-	-	-	-	-		
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set	-	-	-	-	-	-	-	-	-	-	-	-		
20	Offset Cross-Arm for Covered Conductor with all accessories complete		set	-	-	-	-	-	-	-	-	-	-	-	-		
A.2.3 STP Pole and Accessories - Double Circuit																	
1	11 m Steel Tubular Pole		nos.		743.00	797.00	404.00		1,944.00								

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. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)		Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi	Ghorahi Hapur		Lamahi	Ghorahi	Ghorahi Hapur	Lamahi	Foreign Currency	Local Currency
					Makaundanda			Gadhawa					
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))
					A	B	C		A	B	C		
2	Back Strap		nos.		2,007.00	2,152.00	1,091.00	5,250.00					
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		9,214.00	9,883.00	5,010.00	24,107.00					
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		223.00	240.00	122.00	585.00					
5	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		1,672.00	1,794.00	909.00	4,375.00					
6	Disc Type Insulator for 11 kV		set		2,007.00	2,152.00	1,091.00	5,250.00					
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.		2,452.00	2,631.00	1,334.00	6,417.00					
8	Insulator Pin for Pin Insulator of 11 kV		set		3,344.00	3,587.00	1,818.00	8,749.00					
9	Interconnecting Clamp for MVCC		set		446.00	479.00	243.00	1,168.00					
10	Pin Type Insulator for 11 kV		nos.		3,344.00	3,587.00	1,818.00	8,749.00					
11	Pole Clamp with Nut, bolt and washers (TC1), Clamp Section as per design and drawings		set		3,233.00	3,467.00	1,758.00	8,458.00					
12	Pole Clamp with Nut, bolt and washers (TC2), Clamp Section as per design and drawings		set		1,226.00	1,316.00	667.00	3,209.00					
13	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5), Clamp Section as per design and drawings		set		75.00	80.00	41.00	196.00					
14	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4), Clamp Section as per design and drawings		set		75.00	80.00	41.00	196.00					
15	Preformed Pin Ties, Top Ties		set		3,344.00	3,587.00	1,818.00	8,749.00					
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm)		nos.		38.00	40.00	21.00	99.00					
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)		nos.		38.00	40.00	21.00	99.00					
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)		nos.		1,561.00	1,674.00	849.00	4,084.00					
19	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm)		nos.		892.00	957.00	485.00	2,334.00					

Name of Tenderer _____

Signature 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)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Foreign Currency	Local Currency
					A	B	C						
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))
20	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm)		nos.		75.00	80.00	41.00	196.00					
21	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		335.00	359.00	182.00	876.00					
22	Tension Set with Ball and Socket Eye		set		2,007.00	2,152.00	1,091.00	5,250.00					
23	Offset Cross-Arm for Covered Conductor with all accessories complete		set		891.60	956.40	484.80	2,332.80					
								-					
A.2.4 Stays								-					
1	Pole Clamp with Nut, bolt and washers (PC3), Clamp Section as per design and drawings		set		201.00	216.00	109.00	526.00					
2	Pole Clamp with Nut, bolt and washers (TC3), Clamp Section as per design and drawings		set		149.00	160.00	81.00	390.00					
3	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		700.00	752.00	380.00	1,832.00					
4	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		700.00	752.00	380.00	1,832.00					
5	Stay Wire, (7/10 SWG minimum)		kg		3,500.00	3,760.00	1,900.00	9,160.00					
6	Stay/Guy Insulator		nos.		350.00	376.00	190.00	916.00					
7	Stay Turn Buckle including Thimble, (18 SWG minimum)		nos.		350.00	376.00	190.00	916.00					
8	Stay I bolt, (12 inch minimum)		nos.		350.00	376.00	190.00	916.00					
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)		nos.		350.00	376.00	190.00	916.00					
10	Bow set with Thimble		nos.		350.00	376.00	190.00	916.00					
11	Stay Grip		nos.		350.00	376.00	190.00	916.00					
12	Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum)		nos.		350.00	376.00	190.00	916.00					
								-					
A.3 Special Components								-					
1	Power Arc Devices (3 Nos. per set)		set		53.00	56.00	29.00	138.00					

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. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Foreign Currency	Local Currency
				5	6				7 = Σ6	8			9 = 5 x 7
	A	B	C	A	B	C							
2	13 m Steel Tubular Pole		nos.		5.00	5.00	5.00	15.00					
3	14.5 m Steel Tubular Pole		nos.		5.00	5.00	5.00	15.00					

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. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)		Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)		Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Ghorahi Makaundanda		Ghorahi Hapur	Lamahi Gadhawa	Foreign Currency	Local Currency		
														A	B
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))		
B.	Distribution Transformer and Switchgear Components							-							
B.1	Distribution Transformer							-							
1	11/0.4kV 5 kVA 1 ph. Distribution Transformer		set		-	-	-	-							
2	11/0.4kV 10 kVA 1 ph. Distribution Transformer		set		-	-	-	-							
3	11/0.4kV 16 kVA 1 ph. Distribution Transformer		set		-	-	-	-							
4	11/0.4kV 25kVA 3 ph. Distribution Transformer		set		-	17.00	18.00	35.00							
5	11/0.4kV 50kVA 3 ph. Distribution Transformer		set		24.00	24.00	28.00	76.00							
6	11/0.4kV 100kVA 3 ph. Distribution Transformer		set		11.00	9.00	4.00	24.00							
7	11/0.4kV 200kVA 3 ph. Distribution Transformer		set		1.00	1.00	1.00	3.00							
8	11/0.4kV 300kVA 3 ph. Distribution Transformer		set		1.00	1.00	1.00	3.00							
								-							
B.2	Transformer Platform							-							
1	Transformer Platform for 5 kVA, Single phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete		set		-	-	-	-							
2	Transformer Platform for 10 kVA, Single phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete		set		-	-	-	-							
3	Transformer Platform for 16kVA, Single phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete		set		-	-	-	-							

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. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhwaha		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhwaha	Foreign Currency	Local Currency
					A	B	C						
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))
4	Transformer Platform for 25 kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete		set	-	17.00	18.00	35.00						
5	Transformer Platform for 50kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete		set	24.00	24.00	28.00	76.00						
6	Transformer Platform for 100 kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete		set	11.00	9.00	4.00	24.00						
7	Transformer Platform for 200 kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete		set	1.00	1.00	1.00	3.00						
8	Transformer Platform for 300 kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete		set	1.00	1.00	1.00	3.00						
							-						
B.3	Surge Protection Devices and Accessories						-						
1	Surge Arrester for Single Phase Transformer Installation		set	-	-	-	-						
2	9 kV Surge Arrester		set	37.00	52.00	52.00	141.00						
3	Drop Out Fuse of suitable Capacity for Single Phase Transformer Installation		set	-	-	-	-						
4	Drop Out Fuse of suitable Capacity		set	37.00	52.00	52.00	141.00						
5	Outdoor Pole Mounted Distribution Panel Board (with 25A 2P MCCB-1Nos with Copper Busbars and Hardware) Complete Set		set	-	-	-	-						
6	Outdoor Pole Mounted Distribution Panel Board (with 50A 2P MCCB-1Nos with Copper Busbars and Hardware) Complete Set		set	-	-	-	-						

Name of Tenderer _____

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 Procurement of Plant

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)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhwara		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhwara	Foreign Currency	Local Currency
					A	B	C						
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))
7	Outdoor Pole Mounted Distribution Panel Board (with 80A 2P MCCB-1Nos with Copper Busbars and Hardware) Complete Set		set	-	-	-	-	-					
8	Outdoor Pole Mounted Distribution Panel Board (with 50A TP MCCB-1Nos, 32A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set	-	17.00	18.00	35.00						
9	Outdoor Pole Mounted Distribution Panel Board (with 80A TP MCCB-1Nos, 50A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set	24.00	24.00	28.00	76.00						
10	Outdoor Pole Mounted Distribution Panel Board (with 160A TP MCCB-1Nos, 80A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set	11.00	9.00	4.00	24.00						
11	Outdoor Pole Mounted Distribution Panel Board (with 320A TP MCCB-1Nos, 160A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set	1.00	1.00	1.00	3.00						
12	Outdoor Pole Mounted Distribution Panel Board (with 500A TP MCCB-1Nos, 250A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set	1.00	1.00	1.00	3.00						
13	LT PVC Cable, (Al. 2 Core, 35 sq mm, Armored)		m	-	-	-	-						
14	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)		m	120.00	205.00	230.00	555.00						
15	LT PVC Cable, (Al. 4 Core, 120 sq mm, Armored)		m	55.00	45.00	20.00	120.00						
16	LT PVC Cable, (Al. 4 Core, 300 sq mm, Armored)		m	10.00	10.00	10.00	30.00						
							-						

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. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Foreign Currency	Local Currency
				5	6				7 = Σ6	8			9 = 5 x 7
				A	B	C		A	B	C			
B.4	Switchgear, Data Instrumentation System and Accessories							-					
1	Load Break Switch		set		8.00	9.00	5.00	22.00					
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 - Single 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		-	-	-	-					
3	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		37.00	52.00	52.00	141.00					
4	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		8.00	9.00	5.00	22.00					

Name of Tenderer _____

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 Procurement of Plant

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)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)		Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)		Total, Domestic Transportation and Insurance
				Foreign Currency		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhwaha		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhwaha	Foreign Currency	Local Currency	
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))		
					A	B	C		A	B	C				
C	Low Tension Line							-							
C.1	Conductor							-							
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm		kms		2.00	2.00	2.00	6.00							
2	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm		kms		55.25	79.04	40.02	174.31							
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm		kms		36.83	52.69	26.68	116.21							
4	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm		kms		-	-	-	-							
5	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm		kms		-	-	-	-							
6	Overhead ACSR 100 sq mm. with 5% Sag with accessories all complete		kms		2.00	2.00	2.00	6.00							
7	Overhead ACSR 50 sq mm. with 5% Sag with accessories all complete		kms		2.00	2.00	2.00	6.00							
8	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete		kms		2.00	2.00	2.00	6.00							
9	Mid-Span Cable Connector/Junction Sleeve		set		368.31	526.94	266.81	1,162.05							
								-							
C.2	Poles and Accessories							-							
C.2.1	PSC Pole and Accessories							-							
1	9 m PSC Pole		nos.		2,193.00	3,137.00	1,589.00	6,919.00							
2	Anchor Assembly for Messenger		set		2,193.00	3,137.00	1,589.00	6,919.00							
3	Suspension Assembly for Messenger		set		1,755.00	2,510.00	1,272.00	5,537.00							
4	Insulated Piercing Connector		set		12,281.00	17,568.00	8,899.00	38,748.00							
5	Angle Plate		set		768.00	1,098.00	557.00	2,423.00							
6	Eye Nut		set		878.00	1,255.00	636.00	2,769.00							
7	Insulated Cable Cap		set		8,772.00	12,548.00	6,356.00	27,676.00							
8	Pig Tail with Hexagonal Nuts and Washers (16 x 203 mm)		set		2,193.00	3,137.00	1,589.00	6,919.00							

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. 1: Plant and Mandatory Spare Parts Supplied from Abroad (Excluding Custom Duty and VAT applicable in Employer's Country)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Foreign Currency	Local Currency
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))
					A	B	C		A	B	C		
9	Pole Clamp with Nut, Bolt and Washers		set		439.00	628.00	318.00	1,385.00					
10	Twisted Double Eye		set		658.00	942.00	477.00	2,077.00					
								-					
C.2.2 STP Pole and Accessories													
1	8 m Steel Tubular Pole		nos.		-	-	-	-					
2	Anchor Assembly for Messenger		set		-	-	-	-					
3	Suspension Assembly for Messenger		set		-	-	-	-					
4	Insulated Piercing Connector		set		-	-	-	-					
5	Angle Plate		set		-	-	-	-					
6	Insulated Cable Cap		set		-	-	-	-					
7	Pig Tail with Fabricated Eye		set		-	-	-	-					
8	Pole Clamp with Nut, Bolt and Washers		set		-	-	-	-					
9	Twisted Double Eye				-	-	-	-					
								-					
C.2.3 Stays													
1	Pole Clamp with Nut, bolt and washers (PC3), Clamp Section as per design and drawings		nos.		439.00	628.00	318.00	1,385.00					
2	Pole Clamp with Nut, bolt and washers (TC3), Clamp Section as per design and drawings		nos.		-	-	-	-					
3	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		878.00	1,256.00	636.00	2,770.00					
4	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		878.00	1,256.00	636.00	2,770.00					
5	Stay Wire, (7/10 SWG minimum)		kg		4,390.00	6,280.00	3,180.00	13,850.00					
6	Stay/Guy Insulator		nos.		439.00	628.00	318.00	1,385.00					
7	Stay Turn Buckle including Thimble, (18 SWG minimum)		nos.		439.00	628.00	318.00	1,385.00					
8	Stay I bolt, (12 inch minimum)		set		439.00	628.00	318.00	1,385.00					

Name of Tenderer _____

Signature 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)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhwaha		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhwaha	Foreign Currency	Local Currency
1	2	3	4	5	6			7 = Σ6	8			9 = 5 x 7	10 = Σ(π(8 x 6))
					A	B	C		A	B	C		
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)		nos.		439.00	628.00	318.00	1,385.00					
10	Bow set with Thimble		nos.		439.00	628.00	318.00	1,385.00					
11	Stay Grip		nos.		439.00	628.00	318.00	1,385.00					
12	Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)				439.00	628.00	318.00	1,385.00					
								-					
C.3	Special Components							-					
1	10 m PSC Pole		nos.		5.00	5.00	5.00	15.00					
2	11 m PSC Pole		nos.		5.00	5.00	5.00	15.00					
3	9 m Steel Tubular Pole		nos.		5.00	5.00	5.00	15.00					
4	10 m Steel Tubular Pole		nos.		5.00	5.00	5.00	15.00					
5	11 m Steel Tubular Pole		nos.		4.00	4.00	4.00	12.00					
6	13 m Steel Tubular Pole							-					
								-					
C.4	Tools and Equipment							-					
1	Flat wrench of different sizes for common bolts		Sets		5.00	5.00	5.00	15.00					
2	Torque wrench of different sizes for common bolts		Sets		5.00	5.00	5.00	15.00					
3	Pipe wrench for common bolts		Sets		5.00	5.00	5.00	15.00					
4	Steel ropes (Pilot wire) 35 sq. mm		m		50.00	50.00	50.00	150.00					
5	Pilot wire grips (35 sq. mm) come along clamp		Nos.		50.00	50.00	50.00	150.00					
6	Rubber covered rollers,pullies(2,3 keys)		Sets		2.00	2.00	2.00	6.00					
7	Portable earthing set (for Transmission line maintenance safety purpose)		Sets		5.00	5.00	5.00	15.00					
8	Safety belt		Sets		20.00	20.00	20.00	60.00					
9	Line operator's leather gloves		Pairs		20.00	20.00	20.00	60.00					
10	Safety helmet with chinstrap and accessories		Sets		20.00	20.00	20.00	60.00					

Name of Tenderer _____

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 Procurement of Plant

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)

Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity			Total Quantity	Unit Rate Domestic Transportation and Insurance, Local Currency			Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Foreign Currency	Local Currency
1	2	3	4	5	6			7 = $\Sigma 6$	8			9 = 5 x 7	10 = $\Sigma(\pi(8 \times 6))$
					A	B	C		A	B	C		
11	Insulation tester (10000 V) suitable for outdoor line testing purpose		Nos.		5.00	5.00	5.00	15.00					
12	Earth resistivity tester		Nos.		5.00	5.00	5.00	15.00					
13	Earthing resistance tester		Nos.		5.00	5.00	5.00	15.00					
14	Double sheeve pulley block 5 MT capacity with all accessories		Sets		1.00	1.00	1.00	3.00					
15	Sagging Winch 10 MT capacity hand operated		Sets		1.00	1.00	1.00	3.00					
16	Grip suitable for ACSR DOG/RABBIT/WEASEL Conductor		Sets		5.00	5.00	5.00	15.00					
17	Grip suitable for ADSS Cable		Sets		5.00	5.00	5.00	15.00					
18	Grip suitable for ABC Cable		Sets		5.00	5.00	5.00	15.00					
19	Safety Ladder for Distribution System Operation		Sets		5.00	5.00	5.00	15.00					
20	One Set of complete tools for Maintenance/Replacement Works of Aerial Bunched Cable		Sets		5.00	5.00	5.00	15.00					

Name of Tenderer _____

Signature of Tenderer _____

Nepal Electricity Authority
 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)

Schedule No.	Title	Total Price	
		Foreign Currency	Local Currency
A.	11 kV Line		
B.	Distribution Transformers and Switchgear		
C.	Low Tension Lines		
Grand Total to be carried forward to Schedule 5			

Name of Tenderer _____

Signature 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)

Item	Description	Unit	Unit Rate, EXWorks	Quantity			Total Quantity	Unit Rate, Domestic Transportation and Insurance, Local Currency			Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
			Local Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Local Currency	Local Currency	Local Currency
1	2	3	4	5			6 = $\Sigma 5$	7			8 = 4 x 6	9 = $\Sigma(\pi(5 \times 7))$	10 = 8 + 9
				A	B	C		A	B	C			
A.	11 kV Line												
A.1	Conductors												
1	XLPE Overhead Covered Conductor, 100 sq mm. with 5% Sag	kms	263.08	282.29	142.93								
2	Mid-Span Joining Sleeve (Covered Conductor. rated min 500A)	set	501.10	537.69	272.25								
3	Tension/Anchoring Assembly (including Anti-tracking Device and Socket Eye)	set	53.00	56.00	29.00								
4	Polymeric Pin Ties, and Top Ties	set	53.00	56.00	29.00								
5	Insulation Piercing Connectors (IPC) - Type 1	set	53.00	56.00	29.00								
6	Insulation Piercing Connectors (IPC) - Type 2	set	53.00	56.00	29.00								
7	Insulation Piercing Connectors (IPC) - Type 3	set	36.00	51.00	51.00								
A.2	Poles and Accessories												
A.2.1	PSC Pole and Accessories												
1	11m PSC Pole	nos.	1,003.00	1,076.00	545.00								
2	Back Strap	nos.	2,709.00	2,906.00	1,472.00								
3	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.	12,438.00	13,343.00	6,758.00								
4	Bolts with suitable nuts and washers (M16 x 235 mm)	nos.	301.00	323.00	164.00								
5	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.	2,257.00	2,421.00	1,227.00								
6	Disc Type Insulator for 11 kV	set	2,709.00	2,906.00	1,472.00								
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)	nos.	3,310.00	3,551.00	1,799.00								
8	Insulator Pin for Pin Insulator of 11 kV	set	4,514.00	4,842.00	2,453.00								
9	Pin Type Insulator for 11 kV	nos.	4,514.00	4,842.00	2,453.00								
10	Pole Clamp with Nut, bolt and washers (PC1), Clamp Section (50 x 6 mm)	set	1,655.00	1,776.00	900.00								

Name of Tenderer _____

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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)

Item	Description	Unit	Unit Rate, EXWorks	Quantity			Total Quantity	Unit Rate, Domestic Transportation and Insurance, Local Currency			Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
			Local Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	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	B	C		A	B	C			
11	Pole Clamp with Nut, bolt and washers (PC2), Clamp Section (50 x 6 mm)	set		1,104.00	1,184.00	600.00							
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (PC5), Clamp Section (50 x 6 mm)	set		101.00	108.00	55.00							
13	Pole Clamp with Nut, bolt and washers, Top Bracing (PC4), Clamp Section (50 x 6 mm)	set		101.00	108.00	55.00							
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)	nos.		101.00	108.00	55.00							
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)	nos.		452.00	485.00	246.00							
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)	nos.		51.00	54.00	28.00							
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)	nos.		101.00	108.00	55.00							
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)	nos.		452.00	485.00	246.00							
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)	set		452.00	485.00	246.00							
20	Offset Cross-Arm for Covered Conductor with all accessories complete	set		601.80	645.60	327.00							
A.2.2 STP Pole and Accessories - Single Circuit													
1	11 M Steel Tubular Pole	nos.		-	-	-							
2	Back Strap	nos.		-	-	-							
3	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		-	-	-							
4	Bolts with suitable nuts and washers (M16 x 235 mm)	nos.		-	-	-							
5	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		-	-	-							
6	Disc Type Insulator for 11 kV	set		-	-	-							

Name of Tenderer _____

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 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)

Item	Description	Unit	Unit Rate, EXWorks	Quantity			Total Quantity	Unit Rate, Domestic Transportation and Insurance, Local Currency			Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
			Local Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa			
1	2	3	4	5			6 = Σ5	7			8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
				A	B	C		A	B	C			
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)	nos.		-	-	-							
8	Insulator Pin for Pin Insulator of 11 kV	set		-	-	-							
9	Pin Type Insulator for 11 kV	nos.		-	-	-							
10	Pole Clamp with Nut, bolt and washers (TC1), Clamp Section as per design and drawings	set		-	-	-							
11	Pole Clamp with Nut, bolt and washers (TC2), Clamp Section as per design and drawings	set		-	-	-							
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5), Clamp Section as per design and drawings	set		-	-	-							
13	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4), Clamp Section as per design and drawings	set		-	-	-							
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)	nos.		-	-	-							
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)	nos.		-	-	-							
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)	nos.		-	-	-							
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)	nos.		-	-	-							
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)	nos.		-	-	-							
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)	set		-	-	-							
20	Offset Cross-Arm for Covered Conductor with all accessories complete	set		-	-	-							
A.2.3 STP Pole and Accessories - Double Circuit													
1	11 m Steel Tubular Pole	nos.		743.00	797.00	404.00							

Name of Tenderer _____

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			Local Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa			
1	2	3	4	5			6 = Σ5	7			8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
				A	B	C		A	B	C			
2	Back Strap	nos.		2,007.00	2,152.00	1,091.00							
3	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		9,214.00	9,883.00	5,010.00							
4	Bolts with suitable nuts and washers (M16 x 235 mm)	nos.		223.00	240.00	122.00							
5	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		1,672.00	1,794.00	909.00							
6	Disc Type Insulator for 11 kV	set		2,007.00	2,152.00	1,091.00							
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)	nos.		2,452.00	2,631.00	1,334.00							
8	Insulator Pin for Pin Insulator of 11 kV	set		3,344.00	3,587.00	1,818.00							
9	Interconnecting Clamp for MVCC	set		446.00	479.00	243.00							
10	Pin Type Insulator for 11 kV	nos.		3,344.00	3,587.00	1,818.00							
11	Pole Clamp with Nut, bolt and washers (TC1), Clamp Section as per design and drawings	set		3,233.00	3,467.00	1,758.00							
12	Pole Clamp with Nut, bolt and washers (TC2), Clamp Section as per design and drawings	set		1,226.00	1,316.00	667.00							
13	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5), Clamp Section as per design and drawings	set		75.00	80.00	41.00							
14	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4), Clamp Section as per design and drawings	set		75.00	80.00	41.00							
15	Preformed Pin Ties, Top Ties	set		3,344.00	3,587.00	1,818.00							
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm)	nos.		38.00	40.00	21.00							
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)	nos.		38.00	40.00	21.00							
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)	nos.		1,561.00	1,674.00	849.00							
19	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm)	nos.		892.00	957.00	485.00							

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1	2	3	4	5			6 = Σ5	7			8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
				A	B	C		A	B	C			
20	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm)	nos.		75.00	80.00	41.00							
21	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)	set		335.00	359.00	182.00							
22	Tension Set with Ball and Socket Eye	set		2,007.00	2,152.00	1,091.00							
23	Offset Cross-Arm for Covered Conductor with all accessories complete	set		891.60	956.40	484.80							
A.2.4 Stays													
1	Pole Clamp with Nut, bolt and washers (PC3), Clamp Section as per design and drawings	set		201.00	216.00	109.00							
2	Pole Clamp with Nut, bolt and washers (TC3), Clamp Section as per design and drawings	set		149.00	160.00	81.00							
3	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		700.00	752.00	380.00							
4	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		700.00	752.00	380.00							
5	Stay Wire, (7/10 SWG minimum)	kg		3,500.00	3,760.00	1,900.00							
6	Stay/Guy Insulator	nos.		350.00	376.00	190.00							
7	Stay Turn Buckle including Thimble, (18 SWG minimum)	nos.		350.00	376.00	190.00							
8	Stay I bolt, (12 inch minimum)	nos.		350.00	376.00	190.00							
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)	nos.		350.00	376.00	190.00							
10	Bow set with Thimble	nos.		350.00	376.00	190.00							
11	Stay Grip	nos.		350.00	376.00	190.00							
12	Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum)	nos.		350.00	376.00	190.00							
A.3 Special Components													
1	Power Arc Devices (3 Nos. per set)	set		53.00	56.00	29.00							

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1	2	3	4	5			6 = Σ5	7			8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
				A	B	C		A	B	C			
2	13 m Steel Tubular Pole	nos.		5.00	5.00	5.00							
3	14.5 m Steel Tubular Pole	nos.		5.00	5.00	5.00							

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1	2	3	4	5			6 = Σ5	7			8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
				A	B	C		A	B	C			
B.	Distribution Transformer and Switchgear Components												
B.1	Distribution Transformer												
1	11/0.4kV 5 kVA 1 ph. Distribution Transformer	set		-	-	-							
2	11/0.4kV 10 kVA 1 ph. Distribution Transformer	set		-	-	-							
3	11/0.4kV 16 kVA 1 ph. Distribution Transformer	set		-	-	-							
4	11/0.4kV 25kVA 3 ph. Distribution Transformer	set		-	17.00	18.00							
5	11/0.4kV 50kVA 3 ph. Distribution Transformer	set		24.00	24.00	28.00							
6	11/0.4kV 100kVA 3 ph. Distribution Transformer	set		11.00	9.00	4.00							
7	11/0.4kV 200kVA 3 ph. Distribution Transformer	set		1.00	1.00	1.00							
8	11/0.4kV 300kVA 3 ph. Distribution Transformer	set		1.00	1.00	1.00							
B.2	Transformer Platform												
1	Transformer Platform for 5 kVA, Single phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete	set		-	-	-							
2	Transformer Platform for 10 kVA, Single phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete	set		-	-	-							
3	Transformer Platform for 16kVA, Single phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete	set		-	-	-							

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1	2	3	4	5			6 = Σ5	7			8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
				A	B	C		A	B	C			
4	Transformer Platform for 25 kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete	set	-		17.00	18.00							
5	Transformer Platform for 50kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete	set	24.00	24.00	28.00								
6	Transformer Platform for 100 kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete	set	11.00	9.00	4.00								
7	Transformer Platform for 200 kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete	set	1.00	1.00	1.00								
8	Transformer Platform for 300 kVA, 3 phase Transformer including DO & LA Fitting Channels, Clamps, Nutbolts all complete	set	1.00	1.00	1.00								
B.3 Surge Protection Devices and Accessories													
1	Surge Arrester for Single Phase Transformer Installation	set	-	-	-								
2	9 kV Surge Arrester	set	37.00	52.00	52.00								
3	Drop Out Fuse of suitable Capacity for Single Phase Transformer Installation	set	-	-	-								
4	Drop Out Fuse of suitable Capacity	set	37.00	52.00	52.00								
5	Outdoor Pole Mounted Distribution Panel Board (with 25A 2P MCCB-1Nos with Copper Busbars and Hardware) Complete Set	set	-	-	-								
6	Outdoor Pole Mounted Distribution Panel Board (with 50A 2P MCCB-1Nos with Copper Busbars and Hardware) Complete Set	set	-	-	-								

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1	2	3	4	5			6 = $\Sigma 5$	7			8 = 4 x 6	9 = $\Sigma(\pi(5 \times 7))$	10 = 8 + 9
				A	B	C		A	B	C			
7	Outdoor Pole Mounted Distribution Panel Board (with 80A 2P MCCB-1Nos with Copper Busbars and Hardware) Complete Set	set		-	-	-							
8	Outdoor Pole Mounted Distribution Panel Board (with 50A TP MCCB-1Nos, 32A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		-	17.00	18.00							
9	Outdoor Pole Mounted Distribution Panel Board (with 80A TP MCCB-1Nos, 50A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		24.00	24.00	28.00							
10	Outdoor Pole Mounted Distribution Panel Board (with 160A TP MCCB-1Nos, 80A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		11.00	9.00	4.00							
11	Outdoor Pole Mounted Distribution Panel Board (with 320A TP MCCB-1Nos, 160A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		1.00	1.00	1.00							
12	Outdoor Pole Mounted Distribution Panel Board (with 500A TP MCCB-1Nos, 250A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		1.00	1.00	1.00							
13	LT PVC Cable, (Al. 2 Core, 35 sq mm, Armored)	m		-	-	-							
14	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)	m		120.00	205.00	230.00							
15	LT PVC Cable, (Al. 4 Core, 120 sq mm, Armored)	m		55.00	45.00	20.00							
16	LT PVC Cable, (Al. 4 Core, 300 sq mm, Armored)	m		10.00	10.00	10.00							

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			Local Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa			
1	2	3	4	5			6 = Σ5	7			8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
				A	B	C		A	B	C			
B.4	Switchgear, Data Instrumentation System and Accessories												
1	Load Break Switch	set		8.00	9.00	5.00							
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 - Single 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		-	-	-							
3	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		37.00	52.00	52.00							
4	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		8.00	9.00	5.00							

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				Ghorahi Makaundanda A	Ghorahi Hapur B	Lamahi Gadhawa C		Ghorahi Makaundanda A	Ghorahi Hapur B	Lamahi Gadhawa C			
C Low Tension Line													
C.1 Conductor													
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm	kms	2.00	2.00	2.00								
2	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm	kms	55.25	79.04	40.02								
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	kms	36.83	52.69	26.68								
4	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	kms	-	-	-								
5	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm	kms	-	-	-								
6	Overhead ACSR 100 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00								
7	Overhead ACSR 50 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00								
8	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00								
9	Mid-Span Cable Connector/Junction Sleeve	set	368.31	526.94	266.81								
C.2 Poles and Accessories													
C.2.1 PSC Pole and Accessories													
1	9 m PSC Pole	nos.	2,193.00	3,137.00	1,589.00								
2	Anchor Assembly for Messenger	set	2,193.00	3,137.00	1,589.00								
3	Suspension Assembly for Messenger	set	1,755.00	2,510.00	1,272.00								
4	Insulated Piercing Connector	set	12,281.00	17,568.00	8,899.00								
5	Angle Plate	set	768.00	1,098.00	557.00								
6	Eye Nut	set	878.00	1,255.00	636.00								
7	Insulated Cable Cap	set	8,772.00	12,548.00	6,356.00								
8	Pig Tail with Hexagonal Nuts and Washers (16 x 203 mm)	set	2,193.00	3,137.00	1,589.00								
9	Pole Clamp with Nut, Bolt and Washers	set	439.00	628.00	318.00								
10	Twisted Double Eye	set	658.00	942.00	477.00								

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			Local Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Local Currency	Local Currency	Local Currency
1	2	3	4	5			6 = $\Sigma 5$	7			8 = 4 x 6	9 = $\Sigma(\pi(5 \times 7))$	10 = 8 + 9
				A	B	C		A	B	C			
C.2.2 STP Pole and Accessories													
1	8 m Steel Tubular Pole	nos.	-	-	-	-							
2	Anchor Assembly for Messenger	set	-	-	-	-							
3	Suspension Assembly for Messenger	set	-	-	-	-							
4	Insulated Piercing Connector	set	-	-	-	-							
5	Angle Plate	set	-	-	-	-							
6	Insulated Cable Cap	set	-	-	-	-							
7	Pig Tail with Fabricated Eye	set	-	-	-	-							
8	Pole Clamp with Nut, Bolt and Washers	set	-	-	-	-							
9	Twisted Double Eye		-	-	-	-							
C.2.3 Stays													
1	Pole Clamp with Nut, bolt and washers (PC3), Clamp Section as per design and drawings	nos.	439.00	628.00	318.00								
2	Pole Clamp with Nut, bolt and washers (TC3), Clamp Section as per design and drawings	nos.	-	-	-								
3	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.	878.00	1,256.00	636.00								
4	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.	878.00	1,256.00	636.00								
5	Stay Wire, (7/10 SWG minimum)	kg	4,390.00	6,280.00	3,180.00								
6	Stay/Guy Insulator	nos.	439.00	628.00	318.00								
7	Stay Turn Buckle including Thimble, (18 SWG minimum)	nos.	439.00	628.00	318.00								
8	Stay I bolt, (12 inch minimum)	set	439.00	628.00	318.00								
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)	nos.	439.00	628.00	318.00								
10	Bow set with Thimble	nos.	439.00	628.00	318.00								
11	Stay Grip	nos.	439.00	628.00	318.00								

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				Ghorahi Makaundanda A	Ghorahi Hapur B	Lamahi Gadhawa C		Ghorahi Makaundanda A	Ghorahi Hapur B	Lamahi Gadhawa C			
12	Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)			439.00	628.00	318.00							
C.3 Special Components													
1	10 m PSC Pole	nos.		5.00	5.00	5.00							
2	11 m PSC Pole	nos.		5.00	5.00	5.00							
3	9 m Steel Tubular Pole	nos.		5.00	5.00	5.00							
4	10 m Steel Tubular Pole	nos.		5.00	5.00	5.00							
5	11 m Steel Tubular Pole	nos.		4.00	4.00	4.00							
6	13 m Steel Tubular Pole												
C.4 Tools and Equipment													
1	Flat wrench of different sizes for common bolts	Sets		5.00	5.00	5.00							
2	Torque wrench of different sizes for common bolts	Sets		5.00	5.00	5.00							
3	Pipe wrench for common bolts	Sets		5.00	5.00	5.00							
4	Steel ropes (Pilot wire) 35 sq. mm	m		50.00	50.00	50.00							
5	Pilot wire grips (35 sq. mm) come along clamp	Nos.		50.00	50.00	50.00							
6	Rubber covered rollers,pullies(2,3 keys)	Sets		2.00	2.00	2.00							
7	Portable earthing set (for Transmission line maintenance safety purpose)	Sets		5.00	5.00	5.00							
8	Safety belt	Sets		20.00	20.00	20.00							
9	Line operator's leather gloves	Pairs		20.00	20.00	20.00							
10	Safety helmet with chinstrap and accessories	Sets		20.00	20.00	20.00							
11	Insulation tester (10000 V) suitable for outdoor line testing purpose	Nos.		5.00	5.00	5.00							
12	Earth resistivity tester	Nos.		5.00	5.00	5.00							
13	Earthing resistance tester	Nos.		5.00	5.00	5.00							
14	Double sheeve pulley block 5 MT capacity with all accessories	Sets		1.00	1.00	1.00							

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

Item	Description	Unit	Unit Rate, EXWorks	Quantity			Total Quantity	Unit Rate, Domestic Transportation and Insurance, Local Currency			Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
			Local Currency	Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Local Currency	Local Currency	Local Currency
			4	5				6 = Σ5	7			8 = 4 x 6	9 = Σ(π(5 x 7))
1	2	3	A	B	C		A	B	C				
15	Sagging Winch 10 MT capacity hand operated	Sets		1.00	1.00	1.00							
16	Grip suitable for ACSR DOG/RABBIT/WEASEL Conductor	Sets		5.00	5.00	5.00							
17	Grip suitable for ADSS Cable	Sets		5.00	5.00	5.00							
18	Grip suitable for ABC Cable	Sets		5.00	5.00	5.00							
19	Safety Ladder for Distribution System Operation	Sets		5.00	5.00	5.00							
20	One Set of complete tools for Maintenance/Replacement Works of Aerial Bunched Cable	Sets		5.00	5.00	5.00							

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

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

Schedule No.	Title	Total Price	
		Foreign	Local
A.	11 kV Line		
B.	Distribution Transformers and Switchgear		
C.	Low Tension Lines		
Grand Total to be carried forward to Schedule 5			

Name of Tenderer _____

Signature of Tenderer _____

Single-Stage: Two-Envelope



Procurement of Plant

Tender No.: ICB-DCSD-2078/79-DSUEP-AIIB-W1

Nepal Electricity Authority
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)

Item	Description	Unit	Quantity	Unit Price		Total Price	
				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	218.51				
2	As Built Drawings, Testing and Commissioning of 11kV Line as per the scope of the project	kms	218.51				
B. Distribution Transformers and Switchgear							
1	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	135.00				
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	set	135.00				
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	22.00				

Name of Tenderer _____

Signature of Tenderer _____



Nepal Electricity Authority
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)

Item	Description	Unit	Quantity	Unit Price		Total Price	
				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
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	22.00				

Name of Tenderer _____

Signature of Tenderer _____



Nepal Electricity Authority
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)

Item	Description	Unit	Quantity	Unit Price		Total Price	
				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
C.	Low Tension Lines						
1	Preconstruction Survey, Design and Drawings of Low Tension Line as per the scope of the project	kms	276.68				
2	As Built Drawings, Testing and Commissioning of Low Tension Line as per the scope of the project	kms	276.68				

Name of Tenderer _____

Signature of Tenderer _____



Nepal Electricity Authority
 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)

Schedule No.	Title	Total Price	
		Foreign Currency	Local Currency
A.	11 kV Line		
B.	Distribution Transformers and Switchgear		
C.	Low Tension Lines		
D.	Environmental and Mitigation Works		
Grand Total to be carried forward to Schedule 5			

Name of Tenderer _____

Signature of Tenderer _____

Single-Stage: Two-Envelope



Procurement of Plant

Tender No.: ICB-DCSD-2078/79-DSUEP-AIIB-W1

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)

Item	Description	Unit	Quantity			Total Quantity	Unit Price, Local Currency			Total Price Local Currency
			Ghorahi Makaunda da	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaunda da	Ghorahi Hapur	Lamahi Gadhawa	
1	2	3	4			5 = Σ4	6			7 = Σ(π(4 x 6))
			A	B	C		A	B	C	
A	11 kV Lines									
A.1	Conductors					-				
1	Stringing of Covered Conductor (XLPE insulated, 100 sq.mm. AAC)	kms	263.08	282.29	142.93	688.30				
						-				
A.2	Poles and accessories		-			-				
1	Hardware and transportation of 11 m long PSC including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	Nos.	1,003.00	1,076.00	545.00	2,624.00				
2	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	Nos.	743.00	797.00	404.00	1,944.00				
3	Stay sets, with stay wire, rod, ties & insulator all complete including transportation to site.	set	350.00	376.00	190.00	916.00				
4	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	655.89	703.56	356.63	1,716.08				
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	10.00	30.00				
2	Dismantling of existing HT or LT wire (Dismantle and carry back to office store safely) all complete	kms	2.00	2.00	2.00	6.00				
						-				
A.4	Reconductoring Works					-				
1	Reconductoring of 11 kV lines or LT for certain sections as double or single circuit	kms	10.00	10.00	10.00	30.00				
2	Reconnection Works of Service Cable (Single Phase)	set	10.00	10.00	10.00	30.00				
3	Reconnection Works of Service Cable (Three Phase)	set	10.00	10.00	10.00	30.00				
						-				
A.5	Special Components					-				
1	Hardware and transportation of 13 m long Steel tubular pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	set	5.00	5.00	5.00	15.00				

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. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

Item	Description	Unit	Quantity			Total Quantity	Unit Price, Local Currency			Total Price
			Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	Local Currency
1	2	3	4			5 = $\Sigma 4$	6			7 = $\Sigma(\pi(4 \times 6))$
			A	B	C		A	B	C	
2	Hardware and transportation of 14.5 m long Steel tubular pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	set	5.00	5.00	5.00	15.00				
3	Providing and laying of plain cement concrete (PCC) M15 (manual mixed) in foundation complete as per drawing and technical specifications for 13 m and 14.5 m STP.	cum	18.41	18.41	18.41	55.23				

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. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

Item	Description	Unit	Quantity			Total Quantity	Unit Price, Local Currency			Total Price Local Currency
			Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	
1	2	3	4			5 = Σ4	6			7 = Σ(π(4 x 6))
			A	B	C		A	B	C	
B	Distribution Transformer									
B.1	Distribution Transformer, Distribution Panel Board, Instrumentation System, Cable all complete					-				
1	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 5 kVA, single phase	set	-	-	-	-				
2	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 10 kVA, single phase	set	-	-	-	-				
3	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 16 kVA, single phase	set	-	-	-	-				
4	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 25 kVA, 3 phase	set	-	17.00	18.00	35.00				
5	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 50 kVA, 3 phase	set	24.00	24.00	28.00	76.00				
6	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 100 kVA, 3 phase	set	11.00	9.00	4.00	24.00				
7	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 200 kVA, 3 phase	set	2.00	2.00	2.00	6.00				
8	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 300 kVA, 3 phase	set	2.00	2.00	2.00	6.00				
						-				
B.2	Switchgear and Accessories					-				
1	Surge Arrester Installation and Commissioning all complete	set	39.00	54.00	54.00	147.00				
2	Drop-Out Fuse Installation and Commissioning all complete	set	39.00	54.00	54.00	147.00				
3	Installation of MCCB in Single Phase Transformers (upto 150 A)	set	-	-	-	-				
4	Installation of 3 phase MCCB (upto 350 A)	set	37.00	52.00	52.00	141.00				
5	Installation of 3 phase MCCB (above 350 A)	set	2.00	2.00	2.00	6.00				

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. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

Item	Description	Unit	Quantity			Total Quantity	Unit Price, Local Currency			Total Price Local Currency
			Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	
			4				6			
1	2	3	A	B	C	5 = $\Sigma 4$	A	B	C	
6	Supply, Installation and Commissioning of Earthing Set all complete	set	39.00	54.00	54.00	147.00				
7	Supply, Installation and Commissioning of Data Instrumentation System all complete - Single Phase	set	-	-	-	-				
8	Supply, Installation and Commissioning of Data Instrumentation System all complete - 3 phase	set	39.00	54.00	54.00	147.00				
9	Installation and Commissioning of Load Break Switches	set	8.00	9.00	5.00	22.00				
10	Supply, Installation and Commissioning of Data Instrumentation System all complete for Load Break Switches	set	8.00	9.00	5.00	22.00				

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. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

Item	Description	Unit	Quantity			Total Quantity	Unit Price, Local Currency			Total Price Local Currency
			Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	
			A	B	C		A	B	C	
1	2	3	4			5 = Σ4	6			7 = Σ(π(4 x 6))
C	Low Tension Lines									
C.1	Stringing of Conductor including all accessories and hardware fittings					-				
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm	kms	2.00	2.00	2.00	6.00				
2	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm	kms	55.25	79.04	40.02	174.31				
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	kms	36.83	52.69	26.68	116.21				
4	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	kms	-	-	-	-				
5	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm	kms	-	-	-	-				
6	Overhead ACSR 100 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00	6.00				
7	Overhead ACSR 50 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00	6.00				
8	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00	6.00				
						-				
C.2	Poles and accessories					-				
1	Hardware and transportation of 9m long PSC Pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	Nos.	2,193.00	3,137.00	1,589.00	6,919.00				
2	Hardware and transportation of 8m long Steel Tubular Pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	Nos.	-	-	-	-				
3	Stay sets, with stay wire, rod, ties & insulator all complete including transportation to site.	set	439.00	628.00	318.00	1,385.00				
4	Providing and laying of plain cement concrete (PCC) M15 (manual mixed) in foundation complete as per drawing and technical specifications for 9 m STP.	cum	-	-	-	-				
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	set	10.00	10.00	10.00	30.00				

Name of Tenderer _____

Signature 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)

Item	Description	Unit	Quantity			Total Quantity	Unit Price, Local Currency			Total Price
			Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa		Ghorahi Makaundanda	Ghorahi Hapur	Lamahi Gadhawa	
			A	B	C		A	B	C	
1	2	3	4			5 = Σ4	6			7 = Σ(π(4 x 6))
2	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	6.00				
						-				
C.4 Reconductoring Works										
1	Reconductoring of 11 kV lines or LT for certain sections as double or single circuit	kms	10.00	10.00	10.00	30.00				
2	Reconnection Works of Service Cable (Single Phase)	set	10.00	10.00	10.00	30.00				
3	Reconnection Works of Service Cable (Three Phase)	set	10.00	10.00	10.00	30.00				
						-				
C.5 Special Components										
1	Hardware and transportation of 10 m long PSC including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	set	5.00	5.00	5.00	15.00				
2	Hardware and transportation of 11 m long PSC pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	set	5.00	5.00	5.00	15.00				
3	Hardware and transportation of 9 m long Steel tubular pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	set	5.00	5.00	5.00	15.00				
4	Hardware and transportation of 10 m long Steel tubular pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	set	5.00	5.00	5.00	15.00				
5	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	set	4.00	4.00	4.00	12.00				
6	Hardware and transportation of 13 m long Steel tubular pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	set	2.00	2.00	2.00	6.00				
7	Providing and laying of plain cement concrete (PCC) M15 (manual mixed) in foundation complete as per drawing and technical specifications for 10, 11 and 13 m STP.	cum	9.48	9.48	9.48	28.44				

Name of Tenderer _____

Signature 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)

Item	Description	Unit	Total Price	
			Foreign Currency	Local Currency
1	2	3	4	5
D.	Environmental Mitigation Works			
D.1	Environmental and Mitigation Works			
1	Mitigation Works as per the ESMP Reports and as assigned by Client	lot		

Name of Tenderer _____

Signature of Tenderer _____



