

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 33/11 kV Substations and 33 kV, 11 kV, 400 V Lines and Distribution System Network

Package No. W6 Sub Project: Khatyad and Mangri of Mugu District, Tumcha and Simikot of Humla District

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

Issued on:

Invitation for Tenders No.: ICB-DCSD-2078/79-DSUEP-AIIB-W6

Contract Ref. No.: ICB-DCSD-2078/79-DSUEP-AIIB-W6

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 _____



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			

*Schedule 1 - Transportation upto specified storage locations or up to road head, depending upon the quantity of transportation in Schedule 4.

*Schedule 4(.1) - Manual/other form of transportation upto local installation locations.

*Transportation rates for Schedule 1 & 2 shall be entered upto specified storage location and Schedule 4 (.1) upto local installation locations.

SN	Sub Project	Specified Storage Location
1	Kolti Khatyad	Gamgadi Substation, Gamgadhi, Mugu
2	Gamgadi Mangri	Gamgadi Substation, Gamgadhi, Mugu
3	Gamgadi Simikot	Tumcha Substation, Adanchuli, Humla
4	Tumcha Tumcha	Tumcha Substation, Adanchuli, Humla

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		
T-3	Sub Total of Low Tension Lines		
4	Environmental and Social Mitigation Works		
4.1	Mitigation Works		
T-4	Sub Total of Environmental and Social 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 _____




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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border) Foreign Currency	Total, Domestic Transportation and Insurance Local Currency
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
1	2	3	4	5	6				7 = Σ6	8				9 = 5 x 7	10 = Σ(π(8 x 6))
A.	11 kV Line								-						
A.1	Conductors								-						
1	XLPE Overhead Covered Conductor, 100 sq mm. with 5% Sag		kms		219.20	279.66	255.00	407.09	1,160.95						
2	Mid-Span Joining Sleeve (Covered Conductor. rated min 500A)		set		417.53	532.68	485.72	775.41	2,211.34						
3	Tension/Anchoring Assembly (including Anti-tracking Device and Socket Eye)		set		44.00	56.00	51.00	81.00	232.00						
4	Polymeric Pin Ties, and Top Ties		set		44.00	56.00	51.00	81.00	232.00						
5	Insulation Piercing Connectors (IPC) - Type 1		set		24.00	31.00	41.00	38.00	134.00						
6	Insulation Piercing Connectors (IPC) - Type 2		set		48.00	61.00	81.00	75.00	265.00						
7	Insulation Piercing Connectors (IPC) - Type 3		set		24.00	31.00	41.00	38.00	134.00						
									-						
A.2	Poles and Accessories								-						
A.2.1	PSC Pole and Accessories								-						
1	11m PSC 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		-	-	-	-	-						
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 (PC1) with channel and support structures all complete as per design and drawings		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 upto specified storage locations, Local Currency				Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance			
					Foreign Currency	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot		Tumcha Tumcha	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot			Tumcha Tumcha	Foreign Currency	Local Currency
1	2	3	4	5	A	B	C	D	7 = Σ6	A	B	C	D	9 = 5 x 7	10 = Σ(π(8 x 6))			
11	Pole Clamp with Nut, bolt and washers (PC2) with channel and support structures all complete as per design and drawings		set		-	-	-	-	-									
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (PC5) with channel and support structures all complete as per design and drawings		set		-	-	-	-	-									
13	Pole Clamp with Nut, bolt and washers, Top Bracing (PC4) with channel and support structures all complete 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.2.2	STP Pole and Accessories - Single Circuit								-									
1	11 M Steel Tubular Pole		nos.		986.00	1,258.00	1,147.00	1,831.00	5,222.00									
2	Back Strap		nos.		1,332.00	1,699.00	1,549.00	2,472.00	7,052.00									
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		5,423.00	6,919.00	6,309.00	10,071.00	28,722.00									
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		99.00	126.00	115.00	184.00	524.00									

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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border) Foreign Currency	Total, Domestic Transportation and Insurance Local Currency
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
1	2	3	4	5	6				7 = Σ6	8				9 = 5 x 7	10 = Σ(π(8 x 6))
5	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		1,184.00	1,510.00	1,377.00	2,198.00	6,269.00						
6	Disc Type Insulator for 11 kV		set		1,332.00	1,699.00	1,549.00	2,472.00	7,052.00						
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.		1,085.00	1,384.00	1,262.00	2,015.00	5,746.00						
8	Insulator Pin for Pin Insulator of 11 kV		set		2,219.00	2,831.00	2,581.00	4,120.00	11,751.00						
9	Pin Type Insulator for 11 kV		nos.		2,219.00	2,831.00	2,581.00	4,120.00	11,751.00						
10	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings		set		1,627.00	2,076.00	1,893.00	3,022.00	8,618.00						
11	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings		set		1,085.00	1,384.00	1,262.00	2,015.00	5,746.00						
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings		set		99.00	126.00	115.00	184.00	524.00						
13	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings		set		99.00	126.00	115.00	184.00	524.00						
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)		nos.		99.00	126.00	115.00	184.00	524.00						
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)		nos.		444.00	567.00	517.00	824.00	2,352.00						
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)		nos.		50.00	63.00	58.00	92.00	263.00						
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)		nos.		99.00	126.00	115.00	184.00	524.00						
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)		nos.		444.00	567.00	517.00	824.00	2,352.00						
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		296.00	378.00	345.00	550.00	1,569.00						

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Nepal Electricity Authority
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Schedule of Rates and Prices

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Item	Description	Country of Origin	Unit	Unit Rate, CIP (Nepal Border)	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	Foreign Currency	Local Currency
				5	6					7 = Σ6	8				9 = 5 x 7
				A	B	C	D		A	B	C	D			
20	Offset Cross-Arm for Covered Conductor with all accessories complete		set		197.20	251.60	229.40	366.20	1,044.40						
A.2.3	STP Pole and Accessories - Double Circuit								-						
1	11 m Steel Tubular Pole		nos.		232.00	296.00	270.00	431.00	1,229.00						
2	Back Strap		nos.		627.00	800.00	729.00	1,164.00	3,320.00						
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		2,877.00	3,671.00	3,348.00	5,345.00	15,241.00						
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		70.00	89.00	81.00	130.00	370.00						
5	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		522.00	666.00	608.00	970.00	2,766.00						
6	Disc Type Insulator for 11 kV		set		627.00	800.00	729.00	1,164.00	3,320.00						
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.		766.00	977.00	891.00	1,423.00	4,057.00						
8	Insulator Pin for Pin Insulator of 11 kV		set		1,044.00	1,332.00	1,215.00	1,940.00	5,531.00						
9	Interconnecting Clamp for MVCC		set		140.00	178.00	162.00	259.00	739.00						
10	Pin Type Insulator for 11 kV		nos.		1,044.00	1,332.00	1,215.00	1,940.00	5,531.00						
11	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings		set		1,010.00	1,288.00	1,175.00	1,875.00	5,348.00						
12	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings		set		383.00	489.00	446.00	712.00	2,030.00						
13	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings		set		24.00	30.00	27.00	44.00	125.00						
14	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings		set		24.00	30.00	27.00	44.00	125.00						

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 upto specified storage locations, Local Currency				Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	Foreign Currency	Local Currency
				5	6					7 = Σ6	8				9 = 5 x 7
				A	B	C	D		A	B	C	D			
15	Preformed Pin Ties, Top Ties		set		1,044.00	1,332.00	1,215.00	1,940.00	5,531.00						
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm)		nos.		12.00	15.00	14.00	22.00	63.00						
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)		nos.		12.00	15.00	14.00	22.00	63.00						
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)		nos.		488.00	622.00	567.00	906.00	2,583.00						
19	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm)		nos.		279.00	356.00	324.00	518.00	1,477.00						
20	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm)		nos.		24.00	30.00	27.00	44.00	125.00						
21	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		105.00	134.00	122.00	194.00	555.00						
22	Tension Set with Ball and Socket Eye		set		627.00	800.00	729.00	1,164.00	3,320.00						
23	Offset Cross-Arm for Covered Conductor with all accessories complete		set		92.80	118.40	108.00	172.40	491.60						
A.2.4 Stays									-						
1	Pole Clamp with Nut, bolt and washers (PC3) with channel and support structures all complete as per design and drawings		set		-	-	-	-	-						
2	Pole Clamp with Nut, bolt and washers (TC3) with channel and support structures all complete as per design and drawings		set		731.00	933.00	851.00	1,358.00	3,873.00						
3	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		1,462.00	1,866.00	1,702.00	2,716.00	7,746.00						
4	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		1,462.00	1,866.00	1,702.00	2,716.00	7,746.00						
5	Stay Wire, (7/10 SWG minimum)		kg		7,310.00	9,330.00	8,510.00	13,580.00	38,730.00						
6	Stay/Guy Insulator		nos.		731.00	933.00	851.00	1,358.00	3,873.00						
7	Stay Turn Buckle including Thimble, (18 SWG minimum)		nos.		731.00	933.00	851.00	1,358.00	3,873.00						
8	Stay I bolt, (12 inch minimum)		nos.		731.00	933.00	851.00	1,358.00	3,873.00						
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)		nos.		731.00	933.00	851.00	1,358.00	3,873.00						

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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border) Foreign Currency	Total, Domestic Transportation and Insurance Local Currency
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
1	2	3	4	5	A	B	C	D	7 = Σ6	A	B	C	D	9 = 5 x 7	10 = Σ(π(8 x 6))
10	Bow set with Thimble		nos.		731.00	933.00	851.00	1,358.00	3,873.00						
11	Stay Grip		nos.		731.00	933.00	851.00	1,358.00	3,873.00						
12	Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum)		nos.		731.00	933.00	851.00	1,358.00	3,873.00						
									-						
A.3	Special Components								-						
1	Power Arc Devices (3 Nos. per set)		set		44.00	56.00	51.00	81.00	232.00						
2	13 m Steel Tubular Pole		nos.		5.00	5.00	5.00	5.00	20.00						
3	14.5 m Steel Tubular Pole		nos.		5.00	5.00	5.00	5.00	20.00						

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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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border)		Total, Domestic Transportation and Insurance	
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	Foreign Currency	Local Currency	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	D		A	B	C	D				
B.	Distribution Transformer and Switchgear Components								-								
B.1	Distribution Transformer								-								
1	11/0.23kV 5 kVA 1 ph. DistributionTransformer		set		7.00	11.00	17.00	12.00	47.00								
2	11/0.23kV 10 kVA 1 ph. DistributionTransformer		set		6.00	7.00	7.00	9.00	29.00								
3	11/0.23kV 16 kVA 1 ph. DistributionTransformer		set		4.00	3.00	3.00	6.00	16.00								
4	11/0.4kV 25kVA 3 ph. Distribution Transformer		set		4.00	6.00	7.00	6.00	23.00								
5	11/0.4kV 50kVA 3 ph. Distribution Transformer		set		2.00	2.00	4.00	3.00	11.00								
6	11/0.4kV 100kVA 3 ph. Distribution Transformer		set		1.00	1.00	2.00	1.00	5.00								
7	11/0.4kV 200kVA 3 ph. Distribution Transformer		set		1.00	1.00	1.00	1.00	4.00								
8	11/0.4kV 300kVA 3 ph. Distribution Transformer		set		1.00	1.00	1.00	1.00	4.00								
									-								
B.2	Transformer Platform								-								
1	Transformer Platform for 5 kVA, Single phase Transformer including separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		7.00	11.00	17.00	12.00	47.00								
2	Transformer Platform for 10 kVA, Single phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		6.00	7.00	7.00	9.00	29.00								
3	Transformer Platform for 16kVA, Single phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		4.00	3.00	3.00	6.00	16.00								

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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border) Foreign Currency	Total, Domestic Transportation and Insurance Local Currency
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
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 separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		4.00	6.00	7.00	6.00	23.00						
5	Transformer Platform for 50kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		2.00	2.00	4.00	3.00	11.00						
6	Transformer Platform for 100 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		1.00	1.00	2.00	1.00	5.00						
7	Transformer Platform for 200 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		1.00	1.00	1.00	1.00	4.00						
8	Transformer Platform for 300 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		1.00	1.00	1.00	1.00	4.00						
									-						
B.3	Surge Protection Devices and Accessories								-						
1	Surge Arrester for Single Phase Transformer Installation		set		17.00	21.00	27.00	27.00	92.00						
2	9 kV Surge Arrester		set		9.00	11.00	15.00	12.00	47.00						
3	Drop Out Fuse of suitable Capacity for Single Phase Transformer Installation		set		17.00	21.00	27.00	27.00	92.00						
4	Drop Out Fuse of suitable Capacity		set		9.00	11.00	15.00	12.00	47.00						
5	Outdoor Pole Mounted Distribution Panel Board (with 25A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set		set		7.00	11.00	17.00	12.00	47.00						

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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border) Foreign Currency	Total, Domestic Transportation and Insurance Local Currency
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
1	2	3	4	5	6				7 = Σ6	8				9 = 5 x 7	10 = Σ(π(8 x 6))
6	Outdoor Pole Mounted Distribution Panel Board (with 50A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set		set		6.00	7.00	7.00	9.00	29.00						
7	Outdoor Pole Mounted Distribution Panel Board (with 80A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set		set		4.00	3.00	3.00	6.00	16.00						
8	Outdoor Pole Mounted Distribution Panel Board (with 50A TP MCCB-1 Nos, 32A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set		4.00	6.00	7.00	6.00	23.00						
9	Outdoor Pole Mounted Distribution Panel Board (with 80A TP MCCB-1 Nos, 50A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set		2.00	2.00	4.00	3.00	11.00						
10	Outdoor Pole Mounted Distribution Panel Board (with 160A TP MCCB-1 Nos, 80A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set		1.00	1.00	2.00	1.00	5.00						
11	Outdoor Pole Mounted Distribution Panel Board (with 320A TP MCCB-1 Nos, 160A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set		1.00	1.00	1.00	1.00	4.00						
12	Outdoor Pole Mounted Distribution Panel Board (with 500A TP MCCB-1 Nos, 250A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set		1.00	1.00	1.00	1.00	4.00						
13	LT PVC Cable, (Al. 2 Core, 35 sq mm, Armored)		m		85.00	105.00	135.00	135.00	460.00						
14	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)		m		30.00	40.00	55.00	45.00	170.00						
15	LT PVC Cable, (Al. 4 Core, 120 sq mm, Armored)		m		5.00	5.00	10.00	5.00	25.00						

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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border)		Total, Domestic Transportation and Insurance				
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	Foreign Currency	Local Currency					
																6				8
					A	B	C	D	7 = Σ6				A	B	C	D				
16	LT PVC Cable, (Al. 4 Core, 300 sq mm, Armored)		m		10.00	10.00	10.00	10.00	40.00											
B.4	Switchgear, Data Instrumentation System and Accessories								-											
1	Load Break Switch		set		7.00	9.00	8.00	13.00	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 - 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		17.00	21.00	27.00	27.00	92.00											
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		9.00	11.00	15.00	12.00	47.00											

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 upto specified storage locations, Local Currency				Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
				Foreign Currency	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	Foreign Currency	Local Currency
				5	6					7 = Σ6	8				9 = 5 x 7
				A	B	C	D		A	B	C	D			
1	2	3	4	5	A	B	C	D	7 = Σ6	A	B	C	D	9 = 5 x 7	10 = Σ(π(8 x 6))
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		7.00	9.00	8.00	13.00	37.00						

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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border) Foreign Currency	Total, Domestic Transportation and Insurance Local Currency
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
1	2	3	4	5	6				7 = Σ6	8				9 = 5 x 7	10 = Σ(π(8 x 6))
					A	B	C	D		A	B	C	D		
C	Low Tension Line								-						
C.1	Conductor								-						
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm		kms		-	-	-	-	-						
2	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm		kms		2.92	11.19	10.20	16.28	40.59						
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm		kms		11.69	44.74	40.80	65.13	162.37						
4	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm		kms		14.61	55.93	51.00	81.42	202.96						
5	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm		kms		58.45	74.57	68.00	108.56	309.59						
6	Overhead ACSR 100 sq mm. with 5% Sag with accessories all complete		kms		2.00	2.00	2.00	2.00	8.00						
7	Overhead ACSR 50 sq mm. with 5% Sag with accessories all complete		kms		2.00	2.00	2.00	2.00	8.00						
8	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete		kms		2.00	2.00	2.00	2.00	8.00						
9	Mid-Span Cable Connector/Junction Sleeve		set		116.91	447.45	408.01	651.34	1,623.71						
									-						
C.2	Poles and Accessories								-						
C.2.1	PSC Pole and Accessories								-						
1	9 m PSC Pole		nos.		-	-	-	-	-						
2	Anchor Assembly for Messenger		set		-	-	-	-	-						
3	Suspension Assembly for Messenger		set		-	-	-	-	-						
4	Insulated Piercing Connector		set		-	-	-	-	-						
5	Angle Plate		set		-	-	-	-	-						
6	Eye Nut		set		-	-	-	-	-						
7	Insulated Cable Cap		set		-	-	-	-	-						

Name of Tenderer _____

Signature of Tenderer _____



Nepal Electricity Authority
Distribution and Consumer Services Directorate
Distribution System Upgrade and Expansion Project
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					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
1	2	3	4	5	6				7 = Σ6	8				9 = 5 x 7	10 = Σ(π(8 x 6))
8	Pig Tail with Hexagonal Nuts and Washers (16 x 203 mm)		set	-	-	-	-	-	-						
9	Pole Clamp with Nut, Bolt and Washers		set	-	-	-	-	-	-						
10	Twisted Double Eye		set	-	-	-	-	-	-						
C.2.2 STP Pole and Accessories															
1	8 m Steel Tubular Pole		nos.	2,088.00	2,664.00	2,429.00	3,878.00	11,059.00							
2	Anchor Assembly for Messenger		set	836.00	1,066.00	972.00	1,552.00	4,426.00							
3	Suspension Assembly for Messenger		set	1,963.00	2,505.00	2,284.00	3,646.00	10,398.00							
4	Insulated Piercing Connector		set	5,346.00	6,820.00	6,219.00	9,928.00	28,313.00							
5	Angle Plate		set	418.00	533.00	486.00	776.00	2,213.00							
6	Insulated Cable Cap		set	3,341.00	4,263.00	3,887.00	6,205.00	17,696.00							
7	Pig Tail with Fabricated Eye		set	2,214.00	2,824.00	2,575.00	4,111.00	11,724.00							
8	Pole Clamp with Nut, Bolt and Washers		set	2,631.00	3,357.00	3,061.00	4,887.00	13,936.00							
9	Twisted Double Eye			752.00	960.00	875.00	1,397.00	3,984.00							
C.2.3 Stays															
1	Pole Clamp with Nut, bolt and washers (PC3), with channel and support structures all complete as per design and drawings		nos.	-	-	-	-	-							
2	Pole Clamp with Nut, bolt and washers (TC3), with channel and support structures all complete as per design and drawings		nos.	1,253.00	1,599.00	1,458.00	2,327.00	6,637.00							
3	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.	2,506.00	3,198.00	2,916.00	4,654.00	13,274.00							
4	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.	2,506.00	3,198.00	2,916.00	4,654.00	13,274.00							
5	Stay Wire, (7/10 SWG minimum)		kg	12,530.00	15,990.00	14,580.00	23,270.00	66,370.00							
6	Stay/Guy Insulator		nos.	1,253.00	1,599.00	1,458.00	2,327.00	6,637.00							
7	Stay Turn Buckle including Thimble, (18 SWG minimum)		nos.	1,253.00	1,599.00	1,458.00	2,327.00	6,637.00							
8	Stay I bolt, (12 inch minimum)		set	1,253.00	1,599.00	1,458.00	2,327.00	6,637.00							
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)		nos.	1,253.00	1,599.00	1,458.00	2,327.00	6,637.00							

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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border) Foreign Currency	Total, Domestic Transportation and Insurance Local Currency
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
1	2	3	4	5	6				7 = Σ6	8				9 = 5 x 7	10 = Σ(π(8 x 6))
10	Bow set with Thimble		nos.		1,253.00	1,599.00	1,458.00	2,327.00	6,637.00						
11	Stay Grip		nos.		1,253.00	1,599.00	1,458.00	2,327.00	6,637.00						
12	Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)				1,253.00	1,599.00	1,458.00	2,327.00	6,637.00						
									-						
C.3	Special Components								-						
1	10 m PSC Pole		nos.		5.00	5.00	5.00	5.00	20.00						
2	11 m PSC Pole		nos.		5.00	5.00	5.00	5.00	20.00						
3	9 m Steel Tubular Pole		nos.		5.00	5.00	5.00	5.00	20.00						
4	10 m Steel Tubular Pole		nos.		5.00	5.00	5.00	5.00	20.00						
5	11 m Steel Tubular Pole		nos.		4.00	4.00	4.00	4.00	16.00						
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	5.00	20.00						
2	Torque wrench of different sizes for common bolts		Sets		5.00	5.00	5.00	5.00	20.00						
3	Pipe wrench for common bolts		Sets		5.00	5.00	5.00	5.00	20.00						
4	Steel ropes (Pilot wire) 35 sq. mm		m		50.00	50.00	50.00	50.00	200.00						
5	Pilot wire grips (35 sq. mm) come along clamp		Nos.		50.00	50.00	50.00	50.00	200.00						
6	Rubber covered rollers, pulleys (2,3 keys)		Sets		2.00	2.00	2.00	2.00	8.00						
7	Portable earthing set (for Transmission line maintenance safety purpose)		Sets		5.00	5.00	5.00	5.00	20.00						
8	Safety belt		Sets		20.00	20.00	20.00	20.00	80.00						
9	Line operator's leather gloves		Pairs		20.00	20.00	20.00	20.00	80.00						
10	Safety helmet with chinstrap and accessories		Sets		20.00	20.00	20.00	20.00	80.00						
11	Insulation tester (10000 V) suitable for outdoor line testing purpose		Nos.		5.00	5.00	5.00	5.00	20.00						
12	Earth resistivity tester		Nos.		5.00	5.00	5.00	5.00	20.00						
13	Earthing resistance tester		Nos.		5.00	5.00	5.00	5.00	20.00						
14	Double sheave pulley block 5 MT capacity with all accessories		Sets		1.00	1.00	1.00	1.00	4.00						

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) Foreign Currency	Quantity				Total Quantity	Unit Rate, Domestic Transportation and Insurance upto specified storage locations, Local Currency				Total, CIP (Nepal Border) Foreign Currency	Total, Domestic Transportation and Insurance Local Currency
					Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		
1	2	3	4	5	A	B	C	D	7 = Σ6	A	B	C	D	9 = 5 x 7	10 = Σ(π(8 x 6))
15	Sagging Winch 10 MT capacity hand operated		Sets		1.00	1.00	1.00	1.00	4.00						
16	Grip suitable for ACSR DOG/RABBIT/WEASEL Conductor		Sets		5.00	5.00	5.00	5.00	20.00						
17	Grip suitable for ADSS Cable		Sets		5.00	5.00	5.00	5.00	20.00						
18	Grip suitable for ABC Cable		Sets		5.00	5.00	5.00	5.00	20.00						
19	Safety Ladder for Distribution System Operation		Sets		5.00	5.00	5.00	5.00	20.00						
20	One Set of complete tools for Maintenance/Replacement Works of Aerial Bunched Cable		Sets		5.00	5.00	5.00	5.00	20.00						

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 _____

Single-Stage: Two-Envelope




Tender No.: ICB-DCSD-2078/79-DSUEP-AIIB-W6

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)

LC: NPR

Item	Description	Unit	Unit Rate, EXWorks Local Currency	Quantity				Total Quantity 6 = Σ5	Unit Rate, Domestic Transportation and Insurance, Local Currency				Total EXW Price Local Currency 8 = 4 x 6	Total, Domestic Transportation and Insurance Local Currency 9 = Σ(π(5 x 7))	Total Price Local Currency 10 = 8 + 9
				Kolti Khatyad A	Gamgadi Mangri B	Gamgadi Simikot C	Tumcha Tumcha D		Kolti Khatyad A	Gamgadi Mangri B	Gamgadi Simikot C	Tumcha Tumcha D			
A. 11 kV Line															
A.1 Conductors															
1	XLPE Overhead Covered Conductor, 100 sq mm. with 5% Sag	kms		219.20	279.66	255.00	407.09								
2	Mid-Span Joining Sleeve (Covered Conductor. rated min 500A)	set		417.53	532.68	485.72	775.41								
3	Tension/Anchoring Assembly (including Anti-tracking Device and Socket Eye)	set		44.00	56.00	51.00	81.00								
4	Polymeric Pin Ties, and Top Ties	set		44.00	56.00	51.00	81.00								
5	Insulation Piercing Connectors (IPC) - Type 1	set		24.00	31.00	41.00	38.00								
6	Insulation Piercing Connectors (IPC) - Type 2	set		48.00	61.00	81.00	75.00								
7	Insulation Piercing Connectors (IPC) - Type 3	set		24.00	31.00	41.00	38.00								
A.2 Poles and Accessories															
A.2.1 PSC Pole and Accessories															
1	11m PSC 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		-	-	-	-								
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 (PC1) with channel and support structures all complete as per design and drawings	set		-	-	-	-								

Name of Tenderer _____

Signature of Tenderer _____



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Distribution and Consumer Services Directorate
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LC: NPR

Item	Description	Unit	Unit Rate, EXWorks Local Currency	Quantity				Total Quantity 6 = Σ5	Unit Rate, Domestic Transportation and Insurance, Local Currency				Total EXW Price Local Currency	Total, Domestic Transportation and Insurance Local Currency	Total Price Local Currency
				Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha			
11	Pole Clamp with Nut, bolt and washers (PC2) with channel and support structures all complete as per design and drawings	set	-	-	-	-	-	-	-	-	-	-	-	-	
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (PC5) with channel and support structures all complete as per design and drawings	set	-	-	-	-	-	-	-	-	-	-	-	-	
13	Pole Clamp with Nut, bolt and washers, Top Bracing (PC4) with channel and support structures all complete 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.2.2	STP Pole and Accessories - Single Circuit														
1	11 M Steel Tubular Pole	nos.	986.00	1,258.00	1,147.00	1,831.00									
2	Back Strap	nos.	1,332.00	1,699.00	1,549.00	2,472.00									
3	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.	5,423.00	6,919.00	6,309.00	10,071.00									
4	Bolts with suitable nuts and washers (M16 x 235 mm)	nos.	99.00	126.00	115.00	184.00									

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				Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha			
5	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		1,184.00	1,510.00	1,377.00	2,198.00								
6	Disc Type Insulator for 11 kV	set		1,332.00	1,699.00	1,549.00	2,472.00								
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)	nos.		1,085.00	1,384.00	1,262.00	2,015.00								
8	Insulator Pin for Pin Insulator of 11 kV	set		2,219.00	2,831.00	2,581.00	4,120.00								
9	Pin Type Insulator for 11 kV	nos.		2,219.00	2,831.00	2,581.00	4,120.00								
10	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings	set		1,627.00	2,076.00	1,893.00	3,022.00								
11	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings	set		1,085.00	1,384.00	1,262.00	2,015.00								
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings	set		99.00	126.00	115.00	184.00								
13	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings	set		99.00	126.00	115.00	184.00								
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)	nos.		99.00	126.00	115.00	184.00								
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)	nos.		444.00	567.00	517.00	824.00								
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)	nos.		50.00	63.00	58.00	92.00								
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)	nos.		99.00	126.00	115.00	184.00								
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)	nos.		444.00	567.00	517.00	824.00								
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)	set		296.00	378.00	345.00	550.00								

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				Local Currency	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot		Tumcha Tumcha	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot				Tumcha Tumcha	Local Currency	Local Currency	Local Currency
20	Offset Cross-Arm for Covered Conductor with all accessories complete	set		197.20	251.60	229.40	366.20												
A.2.3	STP Pole and Accessories - Double Circuit																		
1	11 m Steel Tubular Pole	nos.		232.00	296.00	270.00	431.00												
2	Back Strap	nos.		627.00	800.00	729.00	1,164.00												
3	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		2,877.00	3,671.00	3,348.00	5,345.00												
4	Bolts with suitable nuts and washers (M16 x 235 mm)	nos.		70.00	89.00	81.00	130.00												
5	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		522.00	666.00	608.00	970.00												
6	Disc Type Insulator for 11 kV	set		627.00	800.00	729.00	1,164.00												
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)	nos.		766.00	977.00	891.00	1,423.00												
8	Insulator Pin for Pin Insulator of 11 kV	set		1,044.00	1,332.00	1,215.00	1,940.00												
9	Interconnecting Clamp for MVCC	set		140.00	178.00	162.00	259.00												
10	Pin Type Insulator for 11 kV	nos.		1,044.00	1,332.00	1,215.00	1,940.00												
11	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings	set		1,010.00	1,288.00	1,175.00	1,875.00												
12	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings	set		383.00	489.00	446.00	712.00												
13	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings	set		24.00	30.00	27.00	44.00												
14	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings	set		24.00	30.00	27.00	44.00												

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				Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha			
15	Preformed Pin Ties, Top Ties	set		1,044.00	1,332.00	1,215.00	1,940.00								
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm)	nos.		12.00	15.00	14.00	22.00								
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)	nos.		12.00	15.00	14.00	22.00								
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)	nos.		488.00	622.00	567.00	906.00								
19	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm)	nos.		279.00	356.00	324.00	518.00								
20	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm)	nos.		24.00	30.00	27.00	44.00								
21	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)	set		105.00	134.00	122.00	194.00								
22	Tension Set with Ball and Socket Eye	set		627.00	800.00	729.00	1,164.00								
23	Offset Cross-Arm for Covered Conductor with all accessories complete	set		92.80	118.40	108.00	172.40								
A.2.4 Stays															
1	Pole Clamp with Nut, bolt and washers (PC3) with channel and support structures all complete as per design and drawings	set		-	-	-	-								
2	Pole Clamp with Nut, bolt and washers (TC3) with channel and support structures all complete as per design and drawings	set		731.00	933.00	851.00	1,358.00								
3	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		1,462.00	1,866.00	1,702.00	2,716.00								
4	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		1,462.00	1,866.00	1,702.00	2,716.00								
5	Stay Wire, (7/10 SWG minimum)	kg		7,310.00	9,330.00	8,510.00	13,580.00								
6	Stay/Guy Insulator	nos.		731.00	933.00	851.00	1,358.00								
7	Stay Turn Buckle including Thimble, (18 SWG minimum)	nos.		731.00	933.00	851.00	1,358.00								
8	Stay I bolt, (12 inch minimum)	nos.		731.00	933.00	851.00	1,358.00								
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)	nos.		731.00	933.00	851.00	1,358.00								

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				Local Currency	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot		Tumcha Tumcha	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot				Tumcha Tumcha	Local Currency	Local Currency	Local Currency
1	2	3	4	A	B	C	D	6 = Σ5	A	B	C	D	8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9				
10	Bow set with Thimble	nos.		731.00	933.00	851.00	1,358.00												
11	Stay Grip	nos.		731.00	933.00	851.00	1,358.00												
12	Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum)	nos.		731.00	933.00	851.00	1,358.00												
A.3	Special Components																		
1	Power Arc Devices (3 Nos. per set)	set		44.00	56.00	51.00	81.00												
2	13 m Steel Tubular Pole	nos.		5.00	5.00	5.00	5.00												
3	14.5 m Steel Tubular Pole	nos.		5.00	5.00	5.00	5.00												

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				Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha			
1	2	3	4	5				6 = Σ5	7				8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
B. Distribution Transformer and Switchgear Components															
B.1 Distribution Transformer															
1	11/0.4kV 5 kVA 1 ph. Distribution Transformer	set		7.00	11.00	17.00	12.00								
2	11/0.4kV 10 kVA 1 ph. Distribution Transformer	set		6.00	7.00	7.00	9.00								
3	11/0.4kV 16 kVA 1 ph. Distribution Transformer	set		4.00	3.00	3.00	6.00								
4	11/0.4kV 25kVA 3 ph. Distribution Transformer	set		4.00	6.00	7.00	6.00								
5	11/0.4kV 50kVA 3 ph. Distribution Transformer	set		2.00	2.00	4.00	3.00								
6	11/0.4kV 100kVA 3 ph. Distribution Transformer	set		1.00	1.00	2.00	1.00								
7	11/0.4kV 200kVA 3 ph. Distribution Transformer	set		1.00	1.00	1.00	1.00								
8	11/0.4kV 300kVA 3 ph. Distribution Transformer	set		1.00	1.00	1.00	1.00								
B.2 Transformer Platform															
1	Transformer Platform for 5 kVA, Single phase Transformer including separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set		7.00	11.00	17.00	12.00								
2	Transformer Platform for 10 kVA, Single phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set		6.00	7.00	7.00	9.00								
3	Transformer Platform for 16kVA, Single phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set		4.00	3.00	3.00	6.00								

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				Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha			
4	Transformer Platform for 25 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set	4.00	6.00	7.00	6.00									
5	Transformer Platform for 50kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set	2.00	2.00	4.00	3.00									
6	Transformer Platform for 100 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set	1.00	1.00	2.00	1.00									
7	Transformer Platform for 200 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set	1.00	1.00	1.00	1.00									
8	Transformer Platform for 300 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	set	1.00	1.00	1.00	1.00									
B.3	Surge Protection Devices and Accessories														
1	Surge Arrester for Single Phase Transformer Installation	set	17.00	21.00	27.00	27.00									
2	9 kV Surge Arrester	set	9.00	11.00	15.00	12.00									
3	Drop Out Fuse of suitable Capacity for Single Phase Transformer Installation	set	17.00	21.00	27.00	27.00									
4	Drop Out Fuse of suitable Capacity	set	9.00	11.00	15.00	12.00									
5	Outdoor Pole Mounted Distribution Panel Board (with 25A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set	set	7.00	11.00	17.00	12.00									

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				Local Currency	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot		Tumcha Tumcha	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot				Tumcha Tumcha	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				
6	Outdoor Pole Mounted Distribution Panel Board (with 50A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set	set		6.00	7.00	7.00	9.00												
7	Outdoor Pole Mounted Distribution Panel Board (with 80A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set	set		4.00	3.00	3.00	6.00												
8	Outdoor Pole Mounted Distribution Panel Board (with 50A TP MCCB-1 Nos, 32A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		4.00	6.00	7.00	6.00												
9	Outdoor Pole Mounted Distribution Panel Board (with 80A TP MCCB-1 Nos, 50A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		2.00	2.00	4.00	3.00												
10	Outdoor Pole Mounted Distribution Panel Board (with 160A TP MCCB-1 Nos, 80A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		1.00	1.00	2.00	1.00												
11	Outdoor Pole Mounted Distribution Panel Board (with 320A TP MCCB-1 Nos, 160A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		1.00	1.00	1.00	1.00												
12	Outdoor Pole Mounted Distribution Panel Board (with 500A TP MCCB-1 Nos, 250A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	set		1.00	1.00	1.00	1.00												
13	LT PVC Cable, (Al. 2 Core, 35 sq mm, Armored)	m		85.00	105.00	135.00	135.00												
14	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)	m		30.00	40.00	55.00	45.00												
15	LT PVC Cable, (Al. 4 Core, 120 sq mm, Armored)	m		5.00	5.00	10.00	5.00												

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16	LT PVC Cable, (Al. 4 Core, 300 sq mm, Armored)	m		10.00	10.00	10.00	10.00												
B.4	Switchgear, Data Instrumentation System and Accessories																		
1	Load Break Switch	set		7.00	9.00	8.00	13.00												
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		17.00	21.00	27.00	27.00												
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		9.00	11.00	15.00	12.00												

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				Local Currency	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot		Tumcha Tumcha	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot				Tumcha Tumcha	Local Currency	Local Currency	Local Currency
1	2	3	4	A	B	C	D	6 = Σ5	A	B	C	D	8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9				
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		7.00	9.00	8.00	13.00												

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				Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha			
C	Low Tension Line														
C.1	Conductor														
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm	kms		-	-	-	-								
2	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm	kms		2.92	11.19	10.20	16.28								
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	kms		11.69	44.74	40.80	65.13								
4	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	kms		14.61	55.93	51.00	81.42								
5	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm	kms		58.45	74.57	68.00	108.56								
6	Overhead ACSR 100 sq mm. with 5% Sag with accessories all complete	kms		2.00	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	2.00								
8	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete	kms		2.00	2.00	2.00	2.00								
9	Mid-Span Cable Connector/Junction Sleeve	set		116.91	447.45	408.01	651.34								
C.2	Poles and Accessories														
C.2.1	PSC Pole and Accessories														
1	9 m PSC Pole	nos.		-	-	-	-								
2	Anchor Assembly for Messenger	set		-	-	-	-								
3	Suspension Assembly for Messenger	set		-	-	-	-								
4	Insulated Piercing Connector	set		-	-	-	-								
5	Angle Plate	set		-	-	-	-								
6	Eye Nut	set		-	-	-	-								
7	Insulated Cable Cap	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. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

LC: NPR

Item	Description	Unit	Unit Rate, EXWorks Local Currency	Quantity				Total Quantity 6 = Σ5	Unit Rate, Domestic Transportation and Insurance, Local Currency				Total EXW Price Local Currency	Total, Domestic Transportation and Insurance Local Currency	Total Price Local Currency
				Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha			
8	Pig Tail with Hexagonal Nuts and Washers (16 x 203 mm)	set	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Pole Clamp with Nut, Bolt and Washers	set	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Twisted Double Eye	set	-	-	-	-	-	-	-	-	-	-	-	-	-
C.2.2 STP Pole and Accessories															
1	8 m Steel Tubular Pole	nos.	2,088.00	2,664.00	2,429.00	3,878.00									
2	Anchor Assembly for Messenger	set	836.00	1,066.00	972.00	1,552.00									
3	Suspension Assembly for Messenger	set	1,963.00	2,505.00	2,284.00	3,646.00									
4	Insulated Piercing Connector	set	5,346.00	6,820.00	6,219.00	9,928.00									
5	Angle Plate	set	418.00	533.00	486.00	776.00									
6	Insulated Cable Cap	set	3,341.00	4,263.00	3,887.00	6,205.00									
7	Pig Tail with Fabricated Eye	set	2,214.00	2,824.00	2,575.00	4,111.00									
8	Pole Clamp with Nut, Bolt and Washers	set	2,631.00	3,357.00	3,061.00	4,887.00									
9	Twisted Double Eye		752.00	960.00	875.00	1,397.00									
C.2.3 Stays															
1	Pole Clamp with Nut, bolt and washers (PC3), with channel and support structures all complete as per design and drawings	nos.	-	-	-	-									
2	Pole Clamp with Nut, bolt and washers (TC3), with channel and support structures all complete as per design and drawings	nos.	1,253.00	1,599.00	1,458.00	2,327.00									
3	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.	2,506.00	3,198.00	2,916.00	4,654.00									
4	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.	2,506.00	3,198.00	2,916.00	4,654.00									
5	Stay Wire, (7/10 SWG minimum)	kg	12,530.00	15,990.00	14,580.00	23,270.00									
6	Stay/Guy Insulator	nos.	1,253.00	1,599.00	1,458.00	2,327.00									
7	Stay Turn Buckle including Thimble, (18 SWG minimum)	nos.	1,253.00	1,599.00	1,458.00	2,327.00									
8	Stay I bolt, (12 inch minimum)	set	1,253.00	1,599.00	1,458.00	2,327.00									
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)	nos.	1,253.00	1,599.00	1,458.00	2,327.00									

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. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

LC: NPR

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	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot		Tumcha Tumcha	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot				Tumcha Tumcha	Local Currency	Local Currency	Local Currency
10	Bow set with Thimble	nos.		1,253.00	1,599.00	1,458.00	2,327.00												
11	Stay Grip	nos.		1,253.00	1,599.00	1,458.00	2,327.00												
12	Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)			1,253.00	1,599.00	1,458.00	2,327.00												
C.3 Special Components																			
1	10 m PSC Pole	nos.		5.00	5.00	5.00	5.00												
2	11 m PSC Pole	nos.		5.00	5.00	5.00	5.00												
3	9 m Steel Tubular Pole	nos.		5.00	5.00	5.00	5.00												
4	10 m Steel Tubular Pole	nos.		5.00	5.00	5.00	5.00												
5	11 m Steel Tubular Pole	nos.		4.00	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	5.00												
2	Torque wrench of different sizes for common bolts	Sets		5.00	5.00	5.00	5.00												
3	Pipe wrench for common bolts	Sets		5.00	5.00	5.00	5.00												
4	Steel ropes (Pilot wire) 35 sq. mm	m		50.00	50.00	50.00	50.00												
5	Pilot wire grips (35 sq. mm) come along clamp	Nos.		50.00	50.00	50.00	50.00												
6	Rubber covered rollers, pullies (2,3 keys)	Sets		2.00	2.00	2.00	2.00												
7	Portable earthing set (for Transmission line maintenance safety purpose)	Sets		5.00	5.00	5.00	5.00												
8	Safety belt	Sets		20.00	20.00	20.00	20.00												
9	Line operator's leather gloves	Pairs		20.00	20.00	20.00	20.00												
10	Safety helmet with chinstrap and accessories	Sets		20.00	20.00	20.00	20.00												
11	Insulation tester (10000 V) suitable for outdoor line testing purpose	Nos.		5.00	5.00	5.00	5.00												
12	Earth resistivity tester	Nos.		5.00	5.00	5.00	5.00												
13	Earthing resistance tester	Nos.		5.00	5.00	5.00	5.00												
14	Double sheeve pulley block 5 MT capacity with all accessories	Sets		1.00	1.00	1.00	1.00												

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. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

LC: NPR

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	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot		Tumcha Tumcha	Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot				Tumcha Tumcha	Local Currency	Local Currency	Local Currency
1	2	3	4	A	B	C	D	6 = Σ5	A	B	C	D	8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9				
15	Sagging Winch 10 MT capacity hand operated	Sets		1.00	1.00	1.00	1.00												
16	Grip suitable for ACSR DOG/RABBIT/WEASEL Conductor	Sets		5.00	5.00	5.00	5.00												
17	Grip suitable for ADSS Cable	Sets		5.00	5.00	5.00	5.00												
18	Grip suitable for ABC Cable	Sets		5.00	5.00	5.00	5.00												
19	Safety Ladder for Distribution System Operation	Sets		5.00	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	5.00												

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. 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 _____




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	368.56				
2	As Built Drawings, Testing and Commissioning of 11kV Line as per the scope of the project	kms	368.56				
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	139.00				
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	139.00				
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	442.27				

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
2	As Built Drawings, Testing and Commissioning of Low Tension Line as per the scope of the project	kms	442.27				

Name of Tenderer _____

Signature of Tenderer _____

Single-Stage: Two-Envelope




Project: 200 MW Plant

Tender No.: ICB-DCSD-2078/79-DSUEP-AIIB-W6

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		
	Transportation from Store location to local installation location by human or khachhad all complete		
	Installation Testing and Commissioning Works		
	Sub Total of A. 11 kV Line		
B.	Distribution Transformers and Switchgear		
	Transportation from Store location to local installation location by human or khachhad all complete		
	Installation Testing and Commissioning Works		
	Sub Total of B. Distribution Transformers and Switchgear		
C.	Low Tension Lines		
	Transportation from Store location to local installation location by human or khachhad all complete		
	Installation Testing and Commissioning Works		
	Sub Total of C. Low Tension Lines		
D.	Environmental and Social Mitigation Works		
	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. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price	
		Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Local Currency	
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot			
3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12			
A.	11 kV Line - Transportation from Storage Location to Local Installation Location												
A.1	Conductors												
1	XLPE Overhead Covered Conductor, 100 sq mm. with 5% Sag	180.00	2,112.00			312.00	3,612.00						
2	Mid-Span Joining Sleeve (Covered Conductor. rated min 500A)	1,257.63	12,041.01			2,185.96	20,580.74						
3	Tension/Anchoring Assembly (including Anti-tracking Device and Socket Eye)	132.35	1,267.20			228.80	2,154.14						
4	Polymeric Pin Ties, and Top Ties	132.35	1,267.20			228.80	2,154.14						
5	Insulation Piercing Connectors (IPC) - Type 1	74.12	692.74			138.67	1,283.78						
6	Insulation Piercing Connectors (IPC) - Type 2	142.94	1,385.47			270.40	2,545.81						
7	Insulation Piercing Connectors (IPC) - Type 3	74.12	692.74			138.67	1,283.78						
A.2	Poles and Accessories												
A.2.1	PSC Pole and Accessories												
1	11m PSC Pole												
2	Back Strap												
3	Bolts with suitable nuts and washers (M16 x 100 mm)												
4	Bolts with suitable nuts and washers (M16 x 235 mm)												
5	Bolts with suitable nuts and washers (M16 x 50 mm)												
6	Disc Type Insulator for 11 kV												
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)												
8	Insulator Pin for Pin Insulator of 11 kV												
9	Pin Type Insulator for 11 kV												
10	Pole Clamp with Nut, bolt and washers (PC1) with channel and support structures all complete as per design and drawings												
11	Pole Clamp with Nut, bolt and washers (PC2) with channel and support structures all complete as per design and drawings												
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (PC5) with channel and support structures all complete as per design and drawings												

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	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price
		Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot		
1	2	3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12
13	Pole Clamp with Nut, bolt and washers, Top Bracing (PC4) with channel and support structures all complete as per design and drawings											
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)											
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)											
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)											
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)											
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)											
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)											
20	Offset Cross-Arm for Covered Conductor with all accessories complete											
A.2.2	STP Pole and Accessories - Single Circuit											
1	11 M Steel Tubular Pole	2,426.91	21,315.09				4,247.03	37,569.05				
2	Back Strap	3,279.14	28,787.40				5,734.92	50,725.78				
3	Bolts with suitable nuts and washers (M16 x 100 mm)	13,350.16	117,226.64				23,361.53	206,638.16				
4	Bolts with suitable nuts and washers (M16 x 235 mm)	246.58	2,127.71				427.55	3,768.68				
5	Bolts with suitable nuts and washers (M16 x 50 mm)	2,915.75	25,583.17				5,096.44	45,106.41				
6	Disc Type Insulator for 11 kV	3,279.14	28,787.40				5,734.92	50,725.78				
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)	2,673.49	23,442.79				4,674.59	41,337.73				
8	Insulator Pin for Pin Insulator of 11 kV	5,463.79	47,962.11				9,560.10	84,526.15				
9	Pin Type Insulator for 11 kV	5,463.79	47,962.11				9,560.10	84,526.15				
10	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings	4,005.91	35,170.52				7,011.88	61,998.18				
11	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings	2,673.49	23,442.79				4,674.59	41,337.73				
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings	246.58	2,127.71				427.55	3,768.68				

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

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

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price
		Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot		
1	2	3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12
13	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings	246.58	2,127.71				427.55	3,768.68				
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)	246.58	2,127.71				427.55	3,768.68				
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)	1,094.49	9,600.02				1,915.44	16,908.59				
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)	125.46	1,063.85				216.63	1,884.34				
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)	246.58	2,127.71				427.55	3,768.68				
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)	1,094.49	9,600.02				1,915.44	16,908.59				
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)	731.10	6,395.79				1,276.96	11,289.22				
20	Offset Cross-Arm for Covered Conductor with all accessories complete	488.84	4,252.89				849.41	7,513.81				
A.2.3	STP Pole and Accessories - Double Circuit											
1	11 m Steel Tubular Pole	-	1,579.72				-	2,802.19				
2	Back Strap	-	57,607.25				-	101,452.50				
3	Bolts with suitable nuts and washers (M16 x 100 mm)	-	264,339.36				-	465,888.33				
4	Bolts with suitable nuts and washers (M16 x 235 mm)	-	6,418.75				-	11,308.23				
5	Bolts with suitable nuts and washers (M16 x 50 mm)	-	47,958.94				-	84,570.55				
6	Disc Type Insulator for 11 kV	-	57,607.25				-	101,452.50				
7	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)	-	70,364.00				-	124,015.37				
8	Insulator Pin for Pin Insulator of 11 kV	-	95,917.89				-	169,087.50				
9	Interconnecting Clamp for MVCC	-	12,837.49				-	22,562.86				
10	Pin Type Insulator for 11 kV	-	95,917.89				-	169,087.50				
11	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings	-	92,769.07				-	163,460.19				
12	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings	-	35,202.19				-	62,061.28				

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	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price	
		Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Local Currency	
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot			
3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12			
13	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings	-	2,179.95				3,805.14						
14	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings	-	2,179.95				3,805.14						
15	Preformed Pin Ties, Top Ties	-	95,917.89				169,087.50						
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm)	-	1,089.98				1,929.37						
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)	-	1,089.98				1,929.37						
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)	-	44,810.12				78,943.23						
19	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm)	-	25,634.62				45,125.73						
20	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm)	-	2,179.95				3,805.14						
21	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)	-	9,648.31				16,935.55						
22	Tension Set with Ball and Socket Eye	-	57,607.25				101,452.50						
23	Offset Cross-Arm for Covered Conductor with all accessories complete	-	8,526.03				15,027.62						
A.2.4 Stays													
1	Pole Clamp with Nut, bolt and washers (PC3) with channel and support structures all complete as per design and drawings	-	-				-						
2	Pole Clamp with Nut, bolt and washers (TC3) with channel and support structures all complete as per design and drawings	1,457.88	13,741.02				2,548.22	24,244.76					
3	Bolts with suitable nuts and washers (M16 x 50 mm)	2,915.75	27,482.05				5,096.44	48,489.52					
4	Bolts with suitable nuts and washers (M16 x 100 mm)	2,915.75	27,482.05				5,096.44	48,489.52					
5	Stay Wire, (7/10 SWG minimum)	14,561.45	137,451.66				25,482.20	242,447.59					
6	Stay/Guy Insulator	1,457.88	13,741.02				2,548.22	24,244.76					
7	Stay Turn Buckle including Thimble, (18 SWG minimum)	1,457.88	13,741.02				2,548.22	24,244.76					
8	Stay I bolt, (12 inch minimum)	1,457.88	13,741.02				2,548.22	24,244.76					
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)	1,457.88	13,741.02				2,548.22	24,244.76					
10	Bow set with Thimble	1,457.88	13,741.02				2,548.22	24,244.76					

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Distribution and Consumer Services Directorate
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Schedule of Rates and Prices

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

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price
		Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot		
1	2	3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12
11	Stay Grip	1,457.88	13,741.02				2,548.22	24,244.76				
12	Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum)	1,457.88	13,741.02				2,548.22	24,244.76				
A.3 Special Components												
1	Power Arc Devices (3 Nos. per set)	132.35	422.40				173.33	543.98				
2	13 m Steel Tubular Pole	3.00	3.00				3.00	3.00				
3	14.5 m Steel Tubular Pole	3.00	3.00				3.00	3.00				

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Distribution and Consumer Services Directorate
Distribution System Upgrade and Expansion Project
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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
			Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	
1	2	3	4				5 = Σ4	6				7 = Σ(π(4 x 6))
			A	B	C	D		A	B	C	D	
A	11 kV Lines											
A.1	Conductors						-					
1	Stringing of Covered Conductor (XLPE insulated, 100 sq.mm. AAC)	kms	219.20	279.66	255.00	407.09	1,160.95					
							-					
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.	-	-	-	-	-					
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.	1,218.00	1,554.00	1,417.00	2,262.00	6,451.00					
3	Stay sets, with stay wire, rod, ties & insulator all complete including transportation to site.	set	731.00	933.00	851.00	1,358.00	3,873.00					
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	1,075.20	1,371.81	1,250.87	1,996.80	5,694.68					
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	Reconductoring of 11 kV lines or 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					
							-					
A.5	Special Components						-					

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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
			Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	
1	2	3	4				5 = $\Sigma 4$	6				7 = $\Sigma(\pi(4 \times 6))$
			A	B	C	D		A	B	C	D	
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	5.00	20.00					
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	5.00	20.00					
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	18.41	73.64					

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

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price
		Transportation Distance in km per item (for Conductors 1 item = 1 km)		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km)		Unit Rate CIP per item per km, Local Currency			
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot		
1	2	3.00	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12
B.	Distribution Transformer and Switchgear Components - Transportation from Storage Location to Local Installation Location											
B.1	Distribution Transformer											
1	11/0.23kV 5 kVA 1 ph. DistributionTransformer	7.35	71.39				373.50	913.00				
2	11/0.23kV 10 kVA 1 ph. DistributionTransformer	4.71	34.21				207.50	539.50				
3	11/0.23kV 16 kVA 1 ph. DistributionTransformer	1.18	10.56				166.00	290.50				
4	11/0.4kV 25kVA 3 ph. Distribution Transformer	2.65	20.70				207.50	415.00				
5	11/0.4kV 50kVA 3 ph. Distribution Transformer	0.29	3.80				124.50	249.00				
6	11/0.4kV 100kVA 3 ph. Distribution Transformer	0.29	0.42				83.00	124.50				
7	11/0.4kV 200kVA 3 ph. Distribution Transformer	0.29	0.42				83.00	83.00				
8	11/0.4kV 300kVA 3 ph. Distribution Transformer	0.29	0.42				83.00	83.00				
B.2	Transformer Platform											
1	Transformer Platform for 5 kVA, Single phase Transformer including separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	7.35	71.39				373.50	913.00				
2	Transformer Platform for 10 kVA, Single phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	4.71	34.21				207.50	539.50				
3	Transformer Platform for 16kVA, Single phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	1.18	10.56				166.00	290.50				
4	Transformer Platform for 25 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	2.65	20.70				207.50	415.00				
5	Transformer Platform for 50kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	0.29	3.80				124.50	249.00				

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

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price	
		Transportation Distance in km per item (for Conductors 1 item = 1 km)		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km)		Unit Rate CIP per item per km, Local Currency			Local Currency	
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot			
3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12			
6	Transformer Platform for 100 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	0.29	0.42				83.00	124.50					
7	Transformer Platform for 200 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	0.29	0.42				83.00	83.00					
8	Transformer Platform for 300 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete	0.29	0.42				83.00	83.00					
B.3	Surge Protection Devices and Accessories												
1	Surge Arrester for Single Phase Transformer Installation	13.24	116.16				622.50	1,701.50					
2	9 kV Surge Arrester	3.82	25.77				332.00	871.50					
3	Drop Out Fuse of suitable Capacity for Single Phase Transformer Installation	13.24	116.16				622.50	1,701.50					
4	Drop Out Fuse of suitable Capacity	3.82	25.77				332.00	871.50					
5	Outdoor Pole Mounted Distribution Panel Board (with 25A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set	7.35	71.39				373.50	913.00					
6	Outdoor Pole Mounted Distribution Panel Board (with 50A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set	4.71	34.21				207.50	539.50					
7	Outdoor Pole Mounted Distribution Panel Board (with 80A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set	1.18	10.56				166.00	290.50					
8	Outdoor Pole Mounted Distribution Panel Board (with 50A TP MCCB-1 Nos, 32A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	2.65	20.70				207.50	415.00					
9	Outdoor Pole Mounted Distribution Panel Board (with 80A TP MCCB-1 Nos, 50A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	0.29	3.80				124.50	249.00					

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 Distribution System Upgrade and Expansion Project
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Schedule No. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price
		Transportation Distance in km per item (for Conductors 1 item = 1 km)		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km)		Unit Rate CIP per item per km, Local Currency			
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot		
3.00	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12		
10	Outdoor Pole Mounted Distribution Panel Board (with 160A TP MCCB-1 Nos, 80A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	0.29	0.42				83.00	124.50				
11	Outdoor Pole Mounted Distribution Panel Board (with 320A TP MCCB-1 Nos, 160A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	0.29	0.42				83.00	83.00				
12	Outdoor Pole Mounted Distribution Panel Board (with 500A TP MCCB-1 Nos, 250A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set	0.29	0.42				83.00	83.00				
13	LT PVC Cable, (Al. 2 Core, 35 sq mm, Armored)	13.24	116.16				2,863.50	8,424.50				
14	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)	2.94	24.50				1,079.00	3,154.00				
15	LT PVC Cable, (Al. 4 Core, 120 sq mm, Armored)	0.59	0.84				207.50	498.00				
16	LT PVC Cable, (Al. 4 Core, 300 sq mm, Armored)	0.59	0.84				249.00	664.00				
0	0											
B.4	Switchgear, Data Instrumentation System and Accessories											
1	Load Break Switch	21.18	202.75				290.50	664.00				
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)	13.24	116.16				622.50	1,701.50				
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)	3.82	25.77				332.00	871.50				

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Distribution and Consumer Services Directorate
Distribution System Upgrade and Expansion Project
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Schedule No. 4: Installation and Other Services (Excluding VAT applicable in Employer's Country)

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price	
		Transportation Distance in km per item (for Conductors 1 item = 1 km)		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km)		Unit Rate CIP per item per km, Local Currency			Local Currency	
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot			
1	2	3.00	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12	
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)	21.18	202.75				290.50	664.00					

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Distribution System Upgrade and Expansion Project
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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
			Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	
1	2	3	4				5 = Σ4	6				7 = Σ(π(4 x 6))
			A	B	C	D		A	B	C	D	
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	7.00	11.00	17.00	12.00	47.00					
2	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 10 kVA, single phase	set	6.00	7.00	7.00	9.00	29.00					
3	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 16 kVA, single phase	set	4.00	3.00	3.00	6.00	16.00					
4	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 25 kVA, 3 phase	set	4.00	6.00	7.00	6.00	23.00					
5	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 50 kVA, 3 phase	set	2.00	2.00	4.00	3.00	11.00					
6	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 100 kVA, 3 phase	set	1.00	1.00	2.00	1.00	5.00					
7	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 200 kVA, 3 phase	set	1.00	1.00	1.00	1.00	4.00					
8	Transformer Installation and Commissioning including Platform, Distribution Panel Board & Cable all complete - 300 kVA, 3 phase	set	1.00	1.00	1.00	1.00	4.00					
							-					
B.2	Switchgear and Accessories						-					
1	Surge Arrester Installation and Commissioning all complete	set	26.00	32.00	42.00	39.00	139.00					

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Item	Description	Unit	Quantity				Total Quantity	Unit Price, Local Currency				Total Price Local Currency
			Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	
			4					5 = Σ4	6			
1	2	3	A	B	C	D		A	B	C	D	
2	Drop-Out Fuse Installation and Commissioning all complete	set	26.00	32.00	42.00	39.00	139.00					
3	Installation of MCCB in Single Phase Transformers (upto 150 A)	set	17.00	21.00	27.00	27.00	92.00					
4	Installation of 3 phase MCCB (upto 350 A)	set	8.00	10.00	14.00	11.00	43.00					
5	Installation of 3 phase MCCB (above 350 A)	set	1.00	1.00	1.00	1.00	4.00					
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	26.00	32.00	42.00	39.00	139.00					
7	Supply, Installation and Commissioning of Data Instrumentation System all complete - Single Phase	set	17.00	21.00	27.00	27.00	92.00					
8	Supply, Installation and Commissioning of Data Instrumentation System all complete - 3 phase	set	9.00	11.00	15.00	12.00	47.00					
9	Installation and Commissioning of Load Break Switches	set	7.00	9.00	8.00	13.00	37.00					
10	Supply, Installation and Commissioning of Data Instrumentation System all complete for Load Break Switches	set	7.00	9.00	8.00	13.00	37.00					

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Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price
		Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot		
1	2	3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12
C	Low Tension Line - Transportation from Storage Location to Local Installation Location											
C.1	Conductor											
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm	-	-				-	-				
2	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm	52.00	72.00				84.00	132.00				
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	160.00	408.00				304.00	1,092.00				
4	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	204.00	600.00				420.00	1,612.00				
5	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm	420.00	1,612.00				624.00	2,800.00				
6	Overhead ACSR 100 sq mm. with 5% Sag with accessories all complete	13.00	7.00				13.00	7.00				
7	Overhead ACSR 50 sq mm. with 5% Sag with accessories all complete	13.00	7.00				13.00	7.00				
8	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete	13.00	7.00				13.00	7.00				
9	Mid-Span Cable Connector/Junction Sleeve	1,725.90	5,351.29				3,436.96	13,217.46				
C.2	Poles and Accessories											
C.2.1	PSC Pole and Accessories											
1	9 m PSC Pole	-	-				-	-				
2	Anchor Assembly for Messenger	-	-				-	-				
3	Suspension Assembly for Messenger	-	-				-	-				
4	Insulated Piercing Connector	-	-				-	-				
5	Angle Plate	-	-				-	-				
6	Eye Nut	-	-				-	-				
7	Insulated Cable Cap	-	-				-	-				
8	Pig Tail with Hexagonal Nuts and Washers (16 x 203 mm)	-	-				-	-				
9	Pole Clamp with Nut, Bolt and Washers	-	-				-	-				
10	Twisted Double Eye	-	-				-	-				
0	0	-	-				-	-				
C.2.2	STP Pole and Accessories											
1	8 m Steel Tubular Pole	10,623.46	92,310.00				22,555.69	197,056.99				
2	Anchor Assembly for Messenger	4,256.54	36,934.36				9,025.14	78,864.46				
3	Suspension Assembly for Messenger	9,988.56	86,793.15				21,211.21	185,266.90				
4	Insulated Piercing Connector	27,202.51	236,317.73				57,755.15	504,474.22				
5	Angle Plate	2,128.27	18,467.18				4,519.72	39,411.40				
6	Insulated Cable Cap	16,999.33	147,711.53				36,100.54	315,291.18				

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

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price
		Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot		
1	2	3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12
7	Pig Tail with Fabricated Eye	11,267.31	97,852.74				23,914.46	208,888.74				
8	Pole Clamp with Nut, Bolt and Washers	13,386.64	116,319.92				28,434.18	248,300.14				
9	Twisted Double Eye	3,827.31	33,256.46				8,124.05	70,990.51				
0		-	-				-	-				
C.2.3	Stays	-	-				-	-				
1	Pole Clamp with Nut, bolt and washers (PC3), with channel and support structures all complete as per design and drawings	-	-				-	-				
2	Pole Clamp with Nut, bolt and washers (TC3), with channel and support structures all complete as per design and drawings	6,375.87	55,401.54				13,544.85	118,234.19				
3	Bolts with suitable nuts and washers (M16 x 50 mm)	12,751.73	110,777.17				27,075.41	236,468.39				
4	Bolts with suitable nuts and washers (M16 x 100 mm)	12,751.73	110,777.17				27,075.41	236,468.39				
5	Stay Wire, (7/10 SWG minimum)	63,740.79	553,859.97				135,334.13	1,182,341.93				
6	Stay/Guy Insulator	6,375.87	55,401.54				13,544.85	118,234.19				
7	Stay Turn Buckle including Thimble, (18 SWG minimum)	6,375.87	55,401.54				13,544.85	118,234.19				
8	Stay I bolt, (12 inch minimum)	6,375.87	55,401.54				13,544.85	118,234.19				
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)	6,375.87	55,401.54				13,544.85	118,234.19				
10	Bow set with Thimble	6,375.87	55,401.54				13,544.85	118,234.19				
11	Stay Grip	6,375.87	55,401.54				13,544.85	118,234.19				
12	Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)	6,375.87	55,401.54				13,544.85	118,234.19				
0		-	-				-	-				
C.3	Special Components	-	-				-	-				
1	10 m PSC Pole	1.00	1.00				1.00	1.00				
2	11 m PSC Pole	1.00	1.00				1.00	1.00				
3	9 m Steel Tubular Pole	1.00	1.00				1.00	1.00				
4	10 m Steel Tubular Pole	1.00	1.00				1.00	1.00				
5	11 m Steel Tubular Pole	1.00	1.00				1.00	1.00				
6	13 m Steel Tubular Pole	1.00	1.00				1.00	1.00				
0		-	-				-	-				
C.4	Tools and Equipment	-	-				-	-				
1	Flat wrench of different sizes for common bolts	-	-				-	-				
2	Torque wrench of different sizes for common bolts	-	-				-	-				
3	Pipe wrench for common bolts	-	-				-	-				
4	Steel ropes (Pilot wire) 35 sq. mm	-	-				-	-				

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

Item	Description	Mugu District (Kolti Khatyad and Gamgadi Mangri)				Total, Mugu, Local Currency	Humla District (Tumcha Tumcha and Gamgadi Simikot)				Total, Humla, Local Currency	Total Price
		Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			Transportation Distance in km per item (for Conductors 1 item = 1 km length (All 3 phases))		Unit Rate CIP per item per km, Local Currency			
		Soru and Mugum Kamarong	Khatyad and Chayanath Rara	Soru and Mugum Kamarong	Khatyad and Chayanath Rara		Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot	Namkha and Chankheli	Simikot, Kharpunath, Sarkegad, Adanchuli and Tanjakot		
1	2	3	4	5	6	7 = 3*5 + 4*6	8	9	10	11	12 = 8*10+9*11	13=7+12
5	Pilot wire grips (35 sq. mm) come along clamp	-	-				-	-				
6	Rubber covered rollers,pullies(2,3 keys)	-	-				-	-				
7	Portable earthing set (for Transmission line maintenance safety purpose)	-	-				-	-				
8	Safety belt	-	-				-	-				
9	Line operator's leather gloves	-	-				-	-				
10	Safety helmet with chinstrap and accessories	-	-				-	-				
11	Insulation tester (10000 V) suitable for outdoor line testing purpose	-	-				-	-				
12	Earth resistivity tester	-	-				-	-				
13	Earthing resistance tester	-	-				-	-				
14	Double sheeve pulley block 5 MT capacity with all accessories	-	-				-	-				
15	Sagging Winch 10 MT capacity hand operated	-	-				-	-				
16	Grip suitable for ACSR DOG/RABBIT/WEASEL Conductor	-	-				-	-				
17	Grip suitable for ADSS Cable	-	-				-	-				
18	Grip suitable for ABC Cable	-	-				-	-				
19	Safety Ladder for Distribution System Operation	-	-				-	-				
20	One Set of complete tools for Maintenance/Replacement Works of Aerial Bunched Cable	-	-				-	-				

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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. 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
			Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	
1	2	3	4				5 = Σ4	6				7 = Σ(π(4 x 6))
			A	B	C	D		A	B	C	D	
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	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm	kms	2.92	11.19	10.20	16.28	40.59					
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	kms	11.69	44.74	40.80	65.13	162.37					
4	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	kms	14.61	55.93	51.00	81.42	202.96					
5	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm	kms	58.45	74.57	68.00	108.56	309.59					
6	Overhead ACSR 100 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00	2.00	8.00					
7	Overhead ACSR 50 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00	2.00	8.00					
8	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00	2.00	8.00					
							-					
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	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.	2,088.00	2,664.00	2,429.00	3,878.00	11,059.00					
3	Stay sets, with stay wire, rod, ties & insulator all complete including transportation to site.	set	1,253.00	1,599.00	1,458.00	2,327.00	6,637.00					
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	1,438.72	1,835.60	1,673.68	2,672.10	7,620.09					
C.3	Dismantling Works		-				-					

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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. 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
			Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	
1	2	3	4				5 = Σ4	6				7 = Σ(π(4 x 6))
			A	B	C	D		A	B	C	D	
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	10.00	40.00					
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	2.00	8.00					
							-					
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	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					
							-					
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	5.00	20.00					
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	5.00	20.00					
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	5.00	20.00					
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	5.00	20.00					

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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
			Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha		Kolti Khatyad	Gamgadi Mangri	Gamgadi Simikot	Tumcha Tumcha	
1	2	3	4				5 = $\Sigma 4$	6				7 = $\Sigma(\pi(4 \times 6))$
			A	B	C	D		A	B	C	D	
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	4.00	16.00					
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	2.00	8.00					
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	9.48	37.92					

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

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

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. 6: Recommended Spare Parts (Excluding VAT Applicable in Employer's Country)

Item	Description	Quantity	Unit Price		Total Price	
			CIP	EXW	Foreign Currency Portion	Local Currency Portion
			Imported Parts	Local Parts		
			Foreign Currency	Local Currency		
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
TOTAL						

Name of Tenderer _____

Signature of Tenderer _____


