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. W5 Sub Project: Piple of Salyan District, Laxmana of Bardia District, Budhebapar and Baddichaur of Surkhet District

> Single-Stage: Two-Envelope Tender Procedure

Issued on:

Invitation for Tenders No.: ICB-DCSD-2078/79-DSUEP-AIIB-W5

Contract Ref. No.: ICB-DCSD-2078/79-DSUEP-AIIB-W5

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

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Volume III

Section 4: Tender Forms

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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. 5: Grand Summary (Excluding Custom Duty and VAT applicable in Employer's Country)

Schedule No.	Title	Total Price					
Scriedule No.	Title	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						



4-A-4 Section 4: Tender Forms

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	Docarintian	Total	Total Price					
Item	Description	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	Environment, Social Corporate Responsibility Works							
4.1	Mitigation Works							
T-4	Sub Total of Environment, Social Corporate Responsibility Works							
Grand To	tal (Sum of T-1 T-4)							





Name of Tenderer	
Signature of Tenderer_	

Section 4: Tender Forms 4-A-5

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					
	Title	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

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

	Possibility	Country	11-2	Unit Rate, CIP (Nepal Border)		Qua	intity		Tatal Quantita	Unit Rate		portation and Insu	ırance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
Item	Description	of Origin	Unit	Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5		(6		7 = Σ6			8		9 = 5 x 7	10 = Σ(π(8 x 6))
		_	·		Α	В	С	D	. =-	Α	В	С	D	0 = 0 M .	-((e x e))
	11 kV Line								-						
A.1	Conductors								-						
1	XLPE Overhead Covered Conductor, 100 sq mm. with 5% Sag		kms		546.20	121.07	409.72	350.19	1,427.18						
2	Mid-Span Joining Sleeve (Covered Conductor. rated min 500A)		set		1,040.39	230.61	780.42	667.02	2,718.45						
	Tension/Anchoring Assembly (including Anti-tracking Device and Socket Eye)		set		109.00	24.00	82.00	70.00	285.00						
	Polymeric Pin Ties, and Top Ties		set		109.00	24.00	82.00	70.00	285.00						
5	Insulation Piercing Connectors (IPC) - Type 1		set		109.00	24.00	82.00	70.00	285.00						
6	Insulation Piercing Connectors (IPC) - Type 2		set		109.00	24.00	82.00	70.00	285.00						
7	Insulation Piercing Connectors (IPC) - Type 3		set		117.00	91.00	51.00	62.00	321.00						
									-						
	Poles and Accessories								-						
	PSC Pole and Accessories								-						
	11m PSC Pole		nos.		-	462.00	-	-	462.00						
	Back Strap		nos.		-	1,248.00	-	-	1,248.00						
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		-	5,729.00	-	-	5,729.00						
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		-	139.00	-	-	139.00						
5	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		-	1,040.00	-	-	1,040.00						
	Disc Type Insulatorfor 11 kV		set		-	1,248.00	-	-	1,248.00						
/	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.		-	1,525.00	-	-	1,525.00						
8	Insulator Pin for Pin Insulator of 11 kV		set		-	2,079.00	-	-	2,079.00						
	Pin Type Insulator for 11 kV		nos.		-	2,079.00	-	-	2,079.00						
10	Pole Clamp with Nut, bolt and washers (PC1) with channel and support structures all complete as per design and drawings		set		-	763.00	-	-	763.00						
11	Pole Clamp with Nut, bolt and washers (PC2) with channel and support structures all complete as per design and drawings		set		-	509.00	-	-	509.00						





Name of Tenderer	

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)

	2	Country Unit Rate, CIP Quantity (Nepal Border)						Unit Rate, Domestic Transportation and Insurance, Local Currency				Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance		
Item	Description	of Origin	Unit	Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5			6		7 = Σ6			8		9 = 5 x 7	$10 = \Sigma(\pi(8 \times 6))$
•		"	"		Α	В	С	D	7 - 20	Α	В	С	D	9-377	10 - 2(11(0 x 0))
	Pole Clamp with Nut, bolt and washers, Bottom Bracing (PC5) with channel and support structures all complete as per design and drawings	1	set		-	47.00	-	-	47.00						
	Pole Clamp with Nut, bolt and washers, Top Bracing (PC4) with channel and support structures all complete as per design and drawings		set		-	47.00	-	-	47.00						
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)		nos.		-	47.00	-	-	47.00						
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)		nos.		-	208.00	-	-	208.00						
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)		nos.		-	24.00	-	-	24.00						
17	7 5 x 4 7 x 2919 mm)	1	nos.		-	47.00	-	-	47.00						
	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)		nos.		-	208.00	-	-	208.00						
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		-	208.00	-	-	208.00						
20	Offset Cross-Arm for Covered Conductor with all accessories complete		set		-	277.20	-	-	277.20						
	STP Pole and Accessories - Single Circuit								-						
	11 M Steel Tubular Pole		nos.		1,734.00	-	1,301.00	1,112.00	4,147.00						
	Back Strap		nos.		2,341.00	-	1,757.00	1,502.00	5,600.00						
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		9,537.00	-	7,156.00	6,116.00	22,809.00						
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		174.00	-	131.00	112.00	417.00						
<u>5</u>	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		2,081.00	-	1,562.00	1,335.00	4,978.00						
	Disc Type Insulatorfor 11 kV		set		2,341.00	-	1,757.00	1,502.00	5,600.00						
/	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.		1,908.00	-	1,432.00	1,224.00	4,564.00						
8	Insulator Pin for Pin Insulator of 11 kV		set		3,902.00	-	2,928.00	2,502.00	9,332.00						
9	Pin Type Insulator for 11 kV		nos.		3,902.00	-	2,928.00	2,502.00	9,332.00						





Name of Tenderer	

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)

ltom	Deceriation	Country	Unit	Unit Rate, CIP (Nepal Border)		Qu	antity		Total Quantity	Unit Rate	e, Domestic Trans Cu	portation and Insurrency	ırance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
Item	Description	of Origin	Unit	Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5			6		7 = Σ6			8		9 = 5 x 7	10 = Σ(π(8 x 6))
'	2	3	4	3	Α	В	С	D	7 - 20	Α	В	С	D	9=5 % 7	10 - 2(11(8 x 6))
10	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings		set		2,862.00	-	2,147.00	1,835.00	6,844.00						
11	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings		set		1,908.00	-	1,432.00	1,224.00	4,564.00						
12	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings		set		174.00	-	131.00	112.00	417.00						
13	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings		set		174.00	-	131.00	112.00	417.00						
1.1	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)		nos.		174.00	-	131.00	112.00	417.00						
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)		nos.		781.00	-	586.00	501.00	1,868.00						
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)		nos.		87.00	-	66.00	56.00	209.00						
	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)	l	nos.		174.00	-	131.00	112.00	417.00						
	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)		nos.		781.00	-	586.00	501.00	1,868.00						
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		521.00	-	391.00	334.00	1,246.00						
20	Offset Cross-Arm for Covered Conductor with all accessories complete		set		346.80	-	260.20	222.40	829.40						
A 7 3	STP Pole and Accessories - Double Circuit								-						
	11 m Steel Tubular Pole		nos.		1,542.00	342.00	1,157.00	989.00	4,030.00						
	Back Strap		nos.		4,164.00	924.00	3,124.00	2,671.00	10,883.00						
3	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		19,121.00	4,241.00	14,347.00	12,264.00	49,973.00						
4	Bolts with suitable nuts and washers (M16 x 235 mm)		nos.		463.00	103.00	348.00	297.00	1,211.00						
5	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		3,470.00	770.00	2,604.00	2,226.00	9,070.00						





Name of Tenderer	

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	tem Description Unit Rate, CIP (Nepal Border) Quantity								Unit Rate, Domestic Transportation and Insurance, Local Currency				Total, CIP (Nepa Border)	Total, Domestic Transportation and Insurance	
	Description	of Origin	Unit	Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5			6		7 = Σ6			8		9 = 5 x 7	10 = Σ(π(8 x 6))
·					Α	В	С	D		A	В	С	D	3-377	10 - 2(11(0 x 0))
	Disc Type Insulatorfor 11 kV		set		4,164.00	924.00	3,124.00	2,671.00	10,883.00						
/	Flat Crossarm Brace 11 kV (50 x 6 x 666 mm)		nos.		5,089.00	1,129.00	3,819.00	3,264.00	13,301.00						
8	Insulator Pin for Pin Insulator of 11 kV		set		6,939.00	1,539.00	5,207.00	4,451.00	18,136.00						
	Interconnecting Clamp for MVCC		set		926.00	206.00	695.00	594.00	2,421.00						
	Pin Type Insulator for 11 kV		nos.		6,939.00	1,539.00	5,207.00	4,451.00	18,136.00						
11	Pole Clamp with Nut, bolt and washers (TC1) with channel and support structures all complete as per design and drawings		set		6,708.00	1,488.00	5,033.00	4,303.00	17,532.00						
12	Pole Clamp with Nut, bolt and washers (TC2) with channel and support structures all complete as per design and drawings		set		2,545.00	565.00	1,910.00	1,632.00	6,652.00						
13	Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5) with channel and support structures all complete as per design and drawings		set		155.00	35.00	116.00	99.00	405.00						
14	Pole Clamp with Nut, bolt and washers, Top Bracing (TC4) with channel and support structures all complete as per design and drawings		set		155.00	35.00	116.00	99.00	405.00						
	Preformed Pin Ties, Top Ties		set		6,939.00	1,539.00	5,207.00	4,451.00	18,136.00						
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm)		nos.		78.00	18.00	58.00	50.00	204.00						
	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)		nos.		78.00	18.00	58.00	50.00	204.00						
	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)		nos.		3,239.00	719.00	2,430.00	2,077.00	8,465.00						
19	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm)		nos.		1,851.00	411.00	1,389.00	1,187.00	4,838.00						
20	7.5 x 4.7 x 2610 mm)		nos.		155.00	35.00	116.00	99.00	405.00						
21	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)		set		694.00	154.00	521.00	446.00	1,815.00						
22	Tension Set with Ball and Socket Eye		set		4,164.00	924.00	3,124.00	2,671.00	10,883.00						
23	Offset Cross-Arm for Covered Conductor with all accessories complete		set		616.80	410.40	462.80	395.60	1,885.60						





Name of Tenderer _____

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

Itama	Description	Country	Unit	Unit Rate, CIP (Nepal Border)		Quantity			Total Quantity	Unit Rate, Domestic Transportation and Insurance, Local Currency					Total, Domestic Transportation and Insurance
Item	Description	of Origin	Unit	Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	lotal Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5		(6		7 = Σ6			8		9 = 5 x 7	10 = Σ(π(8 x 6))
'	2	,	4	3	Α	В	С	D	7 - 20	Α	В	С	D	9=3 % 7	10 - 2(11(8 x 6))
A.2.4									-						
	Pole Clamp with Nut, bolt and														
1	washers (PC3) with channel and		set		_	93.00	_	_							
'	support structures all complete as		301			30.00									
	per design and drawings								93.00						
	Pole Clamp with Nut, bolt and														
2	washers (TC3) with channel and		set		1,311.00	69.00	984.00	841.00							
-	support structures all complete as				1,011.00	00.00	001.00	011.00							
	per design and drawings								3,205.00						
3	Bolts with suitable nuts and washers		nos.		2,622.00	324.00	1,968.00	1,682.00							
	(M16 x 50 mm)				_,00	0200	.,	.,002.00	6,596.00						
4	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		2,622.00	324.00	1,968.00	1,682.00	6,596.00						
5	Stay Wire, (7/10 SWG minimum)		kg		13,110.00	1,620.00	9,840.00	8,410.00	32,980.00						
	Stay/Guy Insulator		nos.		1,311.00	162.00	984.00	841.00	3,298.00		1				
	Stay Turn Buckle including Thimble,								0,200.00		1				
7	(18 SWG minimum)		nos.		1,311.00	162.00	984.00	841.00	3,298.00						
8	Stay I bolt, (12 inch minimum)		nos.		1,311.00	162.00	984.00	841.00	3,298.00						
	Stay I Rod/Anchor Rod, (minimum		200		1 211 00	162.00	004.00	044.00							
9	1600 mm)		nos.		1,311.00	162.00	984.00	841.00	3,298.00						
10	Bow set with Thimble		nos.		1,311.00	162.00	984.00	841.00	3,298.00						
11	Stay Grip		nos.		1,311.00	162.00	984.00	841.00	3,298.00						
	Galvanized Steel Stay Plate for														
12	Installation Underground, (600 x 600		nos.		1,311.00	162.00	984.00	841.00							
	x 6 mm minimum)								3,298.00						
									-						
	Special Components								-						
	Power Arc Devices (3 Nos. per set)		set		109.00	24.00	82.00	70.00	285.00						
	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						





Name of Tenderer	

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

	December	Country	11	Unit Rate, CIP (Nepal Border)		Quantity			Total Committee	Unit Rate	e, Domestic Trans Cu	portation and Ins	urance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
Item	Description	of Origin	Unit	Foreign	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
_				-			6		7 - 50			8		0.57	40 - 5(-(0 0))
1	2	3	4	5	Α	В	С	D	7 = Σ6	Α	В	С	D	9 = 5 x 7	$10 = \Sigma(\pi(8 \times 6))$
В.	Distribution Transformer and								-						
D.4	Switchgear Components														
B.1	Distribution Transformer 11/0.4kV 5 kVA 1 ph. Distribution								-						
'	Transformer		set		26.00	-	12.00	8.00	46.00						
2	11/0.4kV 10 kVA 1 ph. Distribution Transformer		set		25.00	-	12.00	8.00	45.00						
3	11/0.4kV 16 kVA 1 ph. Distribution Transformer		set		23.00	-	8.00	7.00	38.00						
4	11/0.4kV 25kVA 3 ph. Distribution Transformer		set		26.00	-	10.00	13.00	49.00						
5	11/0.4kV 50kVA 3 ph. Distribution Transformer		set		10.00	39.00	5.00	7.00	61.00						
6	11/0.4kV 100kVA 3 ph. Distribution Transformer		set		6.00	51.00	3.00	18.00	78.00						
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		26.00	-	12.00	8.00	46.00						
2	Transformer Platform for 10 kVA, Single phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		25.00	-	12.00	8.00	45.00						
3	Transformer Platform for 16kVA, Single phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		23.00	-	8.00	7.00	38.00						
4	Transformer Platform for 25 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		26.00	-	10.00	13.00	49.00						





Name of Tenderer	

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

	2	Country		Unit Rate, CIP (Nepal Border)		Qua	antity		T. 10 17	Unit Rate	, Domestic Transp Cui	portation and Insurency	ırance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
Item	Description	of Origin	Unit	Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	,	4	_			6		7 = Σ6			8		0 - F v 7	10 = 5/-/9 × 6//
1	2	3	4	5	Α	В	С	D	7 = 26	Α	В	С	D	9 = 5 x 7	$10 = \Sigma(\pi(8 \times 6))$
5	Transformer Platform for 50kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		10.00	39.00	5.00	7.00	61.00						
6	Transformer Platform for 100 kVA, 3 phase Transformer including separate separate DO & separate LA Fitting Channels, Clamps, Nutbolts all complete		set		6.00	51.00	3.00	18.00	78.00						
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						
	Surge Protection Devices and								-						
H (Accessories								-						
	Surge Arrester for Single Phase Transformer Installation		set		74.00	-	32.00	23.00	129.00						
2	9 kV Surge Arrester		set		44.00	92.00	20.00	40.00	196.00						
3	Drop Out Fuse of suitable Capacity for Single Phase Transformer Installation		set		74.00	-	32.00	23.00	129.00						
	Drop Out Fuse of suitable Capacity		set		44.00	92.00	20.00	40.00	196.00						
5	Outdoor Pole Mounted Distribution Panel Board (with 25A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set		set		26.00	-	12.00	8.00	46.00						
6	Outdoor Pole Mounted Distribution Panel Board (with 50A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set		set		25.00	-	12.00	8.00	45.00						
7	Outdoor Pole Mounted Distribution Panel Board (with 80A 2P MCCB-1 Nos with Copper Busbars and Hardware) Complete Set		set		23.00	-	8.00	7.00	38.00						





Name of	Tenderer	

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

		Country	Unit	Unit Rate, CIP (Nepal Border)		Quantity			T. 1.10	Unit Rate,	, Domestic Trans Cu	portation and Ins	urance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
Item	Description	of Origin		Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
		_		_			6		7 - 50			8		0 5 7	40 - 5(-(0 0))
1	2	3	4	5	Α	В	С	D	7 = Σ6	Α	В	С	D	9 = 5 x 7	$10 = \Sigma(\pi(8 \times 6))$
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		26.00	-	10.00	13.00	49.00						
ę	Outdoor Pole Mounted Distribution Panel Board (with 80A TP MCCB-1 Nos, 50A 4P MCCB-2Nos with Copper Busbars and Hardware) Complete Set		set		10.00	39.00	5.00	7.00	61.00						
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		6.00	51.00	3.00	18.00	78.00						
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						
	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						
1	LT PVC Cable, (Al. 2 Core, 35 sq mm, Armored)		m		370.00	-	160.00	115.00	645.00						
	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)		m		180.00	195.00	75.00	100.00	550.00						
15	LT PVC Cable, (Al. 4 Core, 120 sq mm, Armored)		m		30.00	255.00	15.00	90.00	390.00						
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								-						
	Load Break Switch		set		17.00	4.00	13.00	11.00	45.00						





Name of Tenderer	

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)

		Country	Unit	Unit Rate, CIP (Nepal Border)	Quantity			T 10	Unit Rate	, Domestic Trans Cu	portation and Ins	urance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance	
Item	Description	of Origin	Unit	Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	- Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5			6		7 = Σ6			8		9 = 5 x 7	10 = Σ(π(8 x 6))
•					Α	В	С	D	7 - 20	Α	В	С	D	3-3%7	10 - 2(11(0 x 0))
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		74.00	-	32.00	23.00	129.00						
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		44.00	92.00	20.00	40.00	196.00						
4	Load Break Switch Data Instrumentation System with every minute data logging and transfer to Server at Regional Control Centre and programmed locations as per specifications all complete - 3 Phase, with IP 67 Box, platform and connection system (Current, Voltage, Daily Load Curve, Status, local storage and transfer via GSM)		set		17.00	4.00	13.00	11.00	45.00						





Signature	of T	Tenderer	

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	Unit	Unit Rate, CIP (Nepal Border)	Quantity		Total Quantity	Unit Rate,	Domestic Transp	oortation and Ins	urance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance		
	·	of Origin		Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal		Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5	A	В	6 C	D	7 = Σ6	Α	8 C D		D	9 = 5 x 7	10 = Σ(π(8 x 6))
С	Low Tension Line								-						
C.1	Conductor								-						
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm		kms		-	2.00	-	-	2.00						
2	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm		kms		36.41	25.42	42.68	36.48	141.00						
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm		kms		58.26	16.95	68.29	58.36	201.86						
	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm		kms		50.98	-	59.75	51.07	161.80						
5	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm		kms		109.24	-	61.46	52.53	223.23						
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		582.62	169.50	682.87	583.65	2,018.63						
									-						
C.2	Poles and Accessories								-						
	PSC Pole and Accessories 9 m PSC Pole		nos.			1,009.00		-	1,009.00						
	Anchor Assembly for Messenger		set	<u> </u>	-	404.00	-	-	404.00		+	1	+	+	
3	Suspension Assembly for Messenger		set		-	949.00	-	-	949.00						
4	Insulated Piercing Connector		set		-	2,584.00	-	-	2,584.00						
	Angle Plate		set		-	202.00	-	-	202.00						
	Eye Nut		set		-	122.00	-	-	122.00						
7	Insulated Cable Cap		set		-	1,615.00	-	-	1,615.00				1		
8	Pig Tail with Hexagonal Nuts and Washers (16 x 203 mm)		set		-	1,030.00	-	-	1,030.00						
9	Pole Clamp with Nut, Bolt and Washers		set		-	41.00	-	-	41.00						





Name of Tenderer _____

4-A-16 Section 4: Tender Forms

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	Unit	Unit Rate, CIP (Nepal Border)	r) Quantity Total			Total Quantity	Unit Rate	, Domestic Transp Cui	oortation and Ins	urance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance	
	·	of Origin		Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal		Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5	Α	В	6 C	D	7 = Σ6	Α	В	8 C	D	9 = 5 x 7	10 = Σ(π(8 x 6))
10	Twisted Double Eye		set		-	202.00	-	-	202.00						
	_								-						
	STP Pole and Accessories								-						
	8 m Steel Tubular Pole		nos.		6,069.00	-	4,065.00	3,475.00	13,609.00						
	Anchor Assembly for Messenger		set		2,428.00	-	1,626.00	1,390.00	5,444.00						
	Suspension Assembly for Messenger		set		5,705.00	-	3,822.00	3,267.00	12,794.00						
	Insulated Piercing Connector		set		15,537.00	-	10,407.00	8,896.00	34,840.00						
	Angle Plate		set		1,214.00	-	813.00	695.00	2,722.00						
	Insulated Cable Cap		set		9,711.00	-	6,504.00	5,560.00	21,775.00						
	Pig Tail with Fabricated Eye		set		6,434.00	-	4,309.00	3,684.00	14,427.00						
	Pole Clamp with Nut, Bolt and Washers		set		7,647.00	-	5,122.00	4,379.00	17,148.00						
9	Twisted Double Eye				2,185.00	-	1,464.00	1,251.00	4,900.00						
									-						
C.2.3									-						
1	Pole Clamp with Nut, bolt and washers (PC3), with channel and support structures all complete as per design and drawings		nos.		-	202.00	-	-	202.00						
2	Pole Clamp with Nut, bolt and washers (TC3), with channel and support structures all complete as per design and drawings		nos.		2,428.00	-	1,626.00	1,390.00	5,444.00						
	Bolts with suitable nuts and washers (M16 x 50 mm)		nos.		4,856.00	404.00	3,252.00	2,780.00	11,292.00						
4	Bolts with suitable nuts and washers (M16 x 100 mm)		nos.		4,856.00	404.00	3,252.00	2,780.00	11,292.00						
5	Stay Wire, (7/10 SWG minimum)		kg		24,280.00	2,020.00	16,260.00	13,900.00	56,460.00						
6	Stay/Guy Insulator		nos.		2,428.00	202.00	1,626.00	1,390.00	5,646.00						
	Stay Turn Buckle including Thimble, (18 SWG minimum)		nos.		2,428.00	202.00	1,626.00	1,390.00	5,646.00						
8	Stay I bolt, (12 inch minimum)		set		2,428.00	202.00	1,626.00	1,390.00	5,646.00						
0	Stay I Rod/Anchor Rod, (minimum 1600 mm)		nos.		2,428.00	202.00	1,626.00	1,390.00	5,646.00						
	Bow set with Thimble		nos.		2,428.00	202.00	1,626.00	1,390.00	5,646.00						
	Stay Grip		nos.		2,428.00	202.00		1,390.00	5,646.00						
12	Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)				2,428.00	202.00	1,626.00	1,390.00	5,646.00						
0.0									-						
C.3	Special Components								-						





Name of Tenderer _____

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	Unit	Unit Rate, CIP (Nepal Border)		Qua	antity		Total Quantity	Unit Rate	, Domestic Transp Cu	portation and Ins	surance, Local	Total, CIP (Nepal Border)	Total, Domestic Transportation and Insurance
	·	of Origin		Foreign Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal		Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Foreign Currency	Local Currency
1	2	3	4	5	Α	В	6 C	D	7 = Σ6	Α	В	8 C	D	9 = 5 x 7	10 = Σ(π(8 x 6))
1	10 m PSC Pole		nos.		5.00	5.00	5.00	5.00	20.00						
	11 m PSC Pole		nos.		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								-						
									-						
	Tools and Equipment								-						
1 1	Flat wrench of different sizes for common bolts		Sets		5.00	5.00	5.00	5.00	20.00						
	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						
	Pilot wire grips (35 sq. mm) come along clamp		Nos.		50.00	50.00	50.00	50.00	200.00						
6	Rubber covered rollers,pullies(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						
	Safety belt		Sets		20.00	20.00	20.00	20.00	80.00						
	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						
	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 sheeve pulley block 5 MT capacity with all accessories		Sets		1.00	1.00	1.00	1.00	4.00						
15	Sagging Winch 10 MT capacity hand operated		Sets		1.00	1.00	1.00	1.00	4.00						
	Grip suitable for ACSR DOG/RABBIT/WEASEL Conductor		Sets		5.00	5.00	5.00	5.00	20.00						
	Grip suitable for ADSS Cable		Sets		5.00	5.00	5.00	5.00	20.00		1				
	Grip suitable for ABC Cable		Sets		5.00	5.00			20.00		1	1	 	1	
	Safety Ladder for Distribution System Operation		Sets		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 _____

4-A-18 Section 4: Tender Forms

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				
Schedule No.	Title	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	

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

lt a ma	December	I I mit	Unit Rate, EXWorks		Qua	antity	Unit Rate, Domestic Transportation and Insurance, Local Currency					urance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	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
'	2		"	Α	В	С	D	0 - 23	Α	В	С	D	0-470	3 - 2(11(3 X 7))	10 = 0 + 9
	11 kV Line														
A.1	Conductors														
1	Conductor, 100 sq mm. with 5% Sag	kms		546.20	121.07	409.72	350.19								
2	Conductor. rated min 500A)	set		1,040.39	230.61	780.42	667.02								
	Socket Eye)	set		109.00	24.00	82.00	70.00								
4	Polymeric Pin Ties, and Top Ties	set		109.00	24.00	82.00	70.00								
5	Insulation Piercing Connectors (IPC) - Type 1			109.00	24.00	82.00	70.00								
6	Insulation Piercing Connectors (IPC) - Type 2	1		109.00	24.00	82.00	70.00								
7	Insulation Piercing Connectors (IPC) - Type 3	set		117.00	91.00	51.00	62.00								
A.2	Poles and Accessories PSC Pole and Accessories														
	11m PSC Pole	nos.		_	462.00	_	-								
		nos.		<u> </u>	1,248.00	<u> </u>	-				+		1		
3	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		-	5,729.00	-	-								
4	Bolts with suitable nuts and washers (M16 x 235 mm)	nos.		-	139.00	-	-								
5	(M16 x 50 mm)	nos.		-	1,040.00	-	-								
		set		-	1,248.00	-	-								
	(666 mm)	nos.		-	1,525.00	-	-								
	KV	set		-	2,079.00	-	-								
9		nos.		-	2,079.00	-	-								
	per design and drawings	set		-	763.00	-	-								
1	Pole Clamp with Nut, bolt and washers (PC2) with channel and support structures all complete as per design and drawings	set		-	509.00	-	-								





Name of Tenderer	

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

	Unit Rate, EXWorks				Qua	ntity		Total Constitu	Unit Rate	, Domestic Transp Cui	portation and Insurrency	urance, Local	Total EXW Price	Total EXW Price Total, Domestic Transportation and Insurance	
Item	Description	Unit	Local Currency	Malarani Pipledanda		Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3	4					6 = Σ5			7		8 = 4 x 6	$9 = \Sigma(\pi(5 \times 7))$	10 = 8 + 9
				A	В	С	D		Α	В	С	D			
	Pole Clamp with Nut, bolt and														
	washers, Bottom Bracing (PC5)														
12	with channel and support structures	set		-	47.00	-	-								
	all complete as per design and														
	drawings Pole Clamp with Nut, bolt and				_					+	+				
	washers, Top Bracing (PC4) with														
13		set		_	47.00	_	_								
	complete as per design and														
	drawings														
4.4	Steel Crossarm Channel (100 x 50 x				47.00										
14	7.5 x 4.7 x 1800 mm)	nos.		-	47.00	-	-								
15	Steel Crossarm Channel (100 x 50 x	noc			208.00										
	7.5 x 4.7 x 1900 mm)			-	206.00	_	-								
16	Steel Crossarm Channel (100 x 50 x	nos.		_	24.00	<u>-</u>	_								
	7.5 x 4.7 x 2416 mm)				24.00										
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)	nos.		_	47.00	<u>-</u>	_								
	7.5 x 4.7 x 2919 mm)				17.00										
18	Steel Crossarm Channel (100 x 50 x	nos.		_	208.00	_	_								
1	17.5 x 4 7 x 3300 mm)														
19	Strap for Insulator String for 11 kV (100 x 5 x 350 mm)	set		-	208.00	-	-								
	Offset Cross-Arm for Covered				_					+	+				
20		set		_	277.20	_	_								
	complete	001			277.20										
	Complete									1		 			
4.0.0	STP Pole and Accessories -														
A.2.2	Single Circuit														
		nos.		1,734.00		1,301.00	1,112.00								
		nos.		2,341.00	-	1,757.00	1,502.00								
3	Bolts with suitable nuts and washers	nos.		9,537.00	_	7,156.00	6,116.00								
	(M16 x 100 mm)			0,007.00		7,100.00	0,110.00								
4	Bolts with suitable nuts and washers	nos.		174.00	_	131.00	112.00								
	(M16 x 235 mm)			-											
5	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		2,081.00	-	1,562.00	1,335.00								
6		set		2,341.00	-	1,757.00	1,502.00			+	+				
	Flot Crosserm Prope 11 W//FO v 6 v							<u> </u>		+		+			
	666 mm)	nos.		1,908.00	-	1,432.00	1,224.00								
	Inculator Din for Din Inculator of 11									+	1	 			
8	kV	set		3,902.00	-	2,928.00	2,502.00								
9		nos.		3,902.00	-	2,928.00	2,502.00			1	1	<u> </u>			
	Pole Clamp with Nut, bolt and														
10	washers (TC1) with channel and	cot		2,862.00		2,147.00	1,835.00								
10	support structures all complete as	set		2,002.00	_	2,147.00	1,035.00								
	per design and drawings														





Name of Tenderer _	

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)

lt a ma	Description	l l mit	Unit Rate, EXWorks		Qua	intity		Total Oversity	Unit Rate, Domestic Transportation and Insurance, I			ırance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3	4			5		6 = Σ5			7		8 = 4 x 6	$9 = \Sigma(\pi(5 \times 7))$	10 = 8 + 9
				A	В	С	D		Α	В	С	D			
11	per design and drawings	set		1,908.00	-	1,432.00	1,224.00								
12	complete as per design and drawings	set		174.00	-	131.00	112.00								
13	complete as per design and	set		174.00	-	131.00	112.00								
14	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm)			174.00	-	131.00	112.00								
15	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm)			781.00	-	586.00	501.00								
16	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm)	nos.		87.00	-	66.00	56.00								
17	7 Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm)	nos.		174.00	-	131.00	112.00								
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm)	nos.		781.00	-	586.00	501.00								
19	Strap for Insulator String for 11 kV	set		521.00	-	391.00	334.00								
20	Offset Cross-Arm for Covered Conductor with all accessories complete	set		346.80	-	260.20	222.40								
A.2.3	STP Pole and Accessories - Double Circuit														
	1 11 m Steel Tubular Pole	nos.		1,542.00	342.00	1,157.00	989.00								
2	2 Back Strap	nos.		4,164.00	924.00	3,124.00	2,671.00								
3	Bolts with suitable nuts and washers (M16 x 100 mm)			19,121.00	4,241.00	14,347.00	12,264.00								
4	Bolts with suitable nuts and washers (M16 x 235 mm)			463.00	103.00	348.00	297.00								
5	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		3,470.00	770.00	2,604.00	2,226.00								
(set		4,164.00	924.00	3,124.00	2,671.00								
7	666 mm)	nos.		5,089.00	1,129.00	3,819.00	3,264.00								
8	KV	set		6,939.00	1,539.00	5,207.00	4,451.00								
	9 Interconnecting Clamp for MVCC	set		926.00	206.00	695.00	594.00								





Name of Tenderer _	

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

Itam	December	I I m i t	Unit Rate, EXWorks	Quantity				Total Quantitu	Unit Rate,	Domestic Transp	portation and Instrency	urance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	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
'	2	"	7	Α	В	С	D	0 - 23	Α	В	С	D	0-420	3 - 2(11(3 X 7))	10-0+3
10	71	nos.		6,939.00	1,539.00	5,207.00	4,451.00								
	Pole Clamp with Nut, bolt and														
1 11	washers (TC1) with channel and	set		6,708.00	1,488.00	5,033.00	4,303.00								
	support structures all complete as			0,7 00.00	1,100.00	0,000.00	1,000.00								
	per design and drawings														
	Pole Clamp with Nut, bolt and														
12	washers (TC2) with channel and	set		2,545.00	565.00	1,910.00	1,632.00								
	support structures all complete as														
	per design and drawings Pole Clamp with Nut, bolt and									+					
	washers, Bottom Bracing (TC5) with														
13		set		155.00	35.00	116.00	99.00								
	complete as per design and			100.00	00.00	110.00	00.00								
	drawings														
	Pole Clamp with Nut, bolt and														
	washers, Top Bracing (TC4) with														
14	channel and support structures all	set		155.00	35.00	116.00	99.00								
	complete as per design and														
	drawings														
		set		6,939.00	1,539.00	5,207.00	4,451.00								
16	Steel Crossarm Channel (100 x 50 x	nos.		78.00	18.00	58.00	50.00								
	7.5 x 4.7 x 1600 mm)														
17	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm)	nos.		78.00	18.00	58.00	50.00								
-	7.5 X 4.7 X 1640 mm)				-	-						-	-		
18	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm)	nos.		3,239.00	719.00	2,430.00	2,077.00								
	Steel Crossarm Channel (100 x 50 x										+				
19	7.5 x 4.7 x 2500 mm)	nos.		1,851.00	411.00	1,389.00	1,187.00								
	Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm)			455.00	25.00	440.00	00.00								
	7.5 x 4.7 x 2610 mm)	nos.		155.00	35.00	116.00	99.00								
21	Strap for Insulator String for 11 kV	set		694.00	154.00	521.00	446.00								
	(100 x 5 x 350 mm)	301		054.00	104.00	021.00	440.00								
22	Tension Set with Ball and Socket Eye	set		4,164.00	924.00	3,124.00	2,671.00								
	Eye			,		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
	Offset Cross-Arm for Covered	set		616.80	410.40	462.80	395.60								
23	Conductor with all accessories complete	set		616.80	410.40	462.80	395.60								
	Complete		-							+	+	+			
A.2.4	Stays														
	Pole Clamp with Nut, bolt and														
	washers (PC3) with channel and				00.00										
1	support structures all complete as	set		_	93.00	_	-								
	per design and drawings														





Name of Tenderer _

Signature of Tenderer_

Single-Stage: Two-Envelope Procurement of Plant Tender No.:ICB-DCSD-2078/79-DSUEP-AIIB-W5

Schedule of Rates and Prices

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

Item	Description	Unit	Unit Rate, EXWorks		Qua	ntity		Total Quantity	Unit Rate,	Domestic Transp Cur	oortation and Insurency	ırance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
item	Description	Onit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3			5	i		6 = Σ5			7		8 = 4 x 6	$9 = \Sigma(\pi(5 \times 7))$	10 = 8 + 9
'		3	"	Α	В	С	D	0 - 23	Α	В	С	D	0-470	9 - 2(11(3 X 7))	10-0+9
	Pole Clamp with Nut, bolt and														
9	washers (TC3) with channel and	set		1,311.00	69.00	984.00	841.00								
-	support structures all complete as	ડ હા		1,311.00	69.00	904.00	041.00								
	per design and drawings														
	Bolts with suitable nuts and washers (M16 x 50 mm)	nos.		2,622.00	324.00	1,968.00	1,682.00								
	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		2,622.00	324.00	1,968.00	1,682.00								
5	Stay Wire, (7/10 SWG minimum)	kg		13,110.00	1,620.00	9,840.00	8,410.00								
	- · · · j · - · · j	nos.		1,311.00	162.00	984.00	841.00								
	Stay Turn Buckle including Thimble, (18 SWG minimum)	nos.		1,311.00	162.00	984.00	841.00								
		nos.		1,311.00	162.00	984.00	841.00								
9	Stay I Rod/Anchor Rod, (minimum 1600 mm)	nos.		1,311.00	162.00	984.00	841.00								
		nos.		1,311.00	162.00	984.00	841.00								
		nos.		1,311.00	162.00	984.00	841.00								
	Galvanized Steel Stay Plate for														
	Installation Underground, (600 x 600	nos.		1,311.00	162.00	984.00	841.00								
	x 6 mm minimum)											-			
4.0	0														
	Special Components			100.00	24.00	00.00	70.00								
		set	<u> </u>	109.00	24.00	82.00	70.00			+	1	-			
		nos.		5.00 5.00	5.00 5.00	5.00 5.00	5.00 5.00			1	-	+			
3	14.5 III Steel Tubular Pole	nos.	<u> </u>	5.00	5.00	5.00	5.00		<u> </u>		<u> </u>	1		<u> </u>	





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

Itam	Description	Unit	Unit Rate, EXWorks		Qua	ntity		Total Quantity	Unit Rate,	Domestic Transp	oortation and Insurency	rance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh		Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3	4			5		6 = Σ5			7		8 = 4 x 6	$9 = \Sigma(\pi(5 \times 7))$	10 = 8 + 9
	Diatribution Transformer and			Α	В	С	D		Α	В	С	D			
В.	Distribution Transformer and Switchgear Components														
B.1	Distribution Transformer														
	11/0.4kV 5 kVA 1 ph. Distribution														
1	Transformer	set		26.00	-	12.00	8.00								
2	11/0.4kV 10 kVA 1 ph. Distribution Transformer	set		25.00	-	12.00	8.00								
3	11/0.4kV 16 kVA 1 ph. Distribution Transformer	set		23.00	-	8.00	7.00								
4	11/0.4kV 25kVA 3 ph. Distribution Transformer	set		26.00	-	10.00	13.00								
٥	11/0.4kV 50kVA 3 ph. Distribution Transformer	set		10.00	39.00	5.00	7.00								
6	Transformer	set		6.00	51.00	3.00	18.00								
	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														
	Transformer Platform for 5 kVA, Single phase Transformer including														
1	1	set		26.00	_	12.00	8.00								
'	Channels, Clamps, Nutbolts all			20.00		12.00	0.00								
	complete														
	Transformer Platform for 10 kVA,									Ī					
	Single phase Transformer including														
2	separate separate DO & separate	set		25.00	-	12.00	8.00								
	LA Fitting Channels, Clamps,														
	Nutbolts all complete Transformer Platform for 16kVA,				-						-				
	Single phase Transformer including														
3	separate separate DO & separate	set		23.00	_	8.00	7.00								
	LA Fitting Channels, Clamps,	001		20.00		0.00	7.00								
	Nutbolts all complete														
	Transformer Platform for 25 kVA, 3									1					
	phase Transformer including														
4		set		26.00	-	10.00	13.00								
	LA Fitting Channels, Clamps,														
	Nutbolts all complete	-			-					-	-				
	Transformer Platform for 50kVA, 3 phase Transformer including														
5		set		10.00	39.00	5.00	7.00								
	LA Fitting Channels, Clamps,	361		10.00	33.00	3.00	7.00								
	Nutbolts all complete														





Name of Tenderer _	

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

	Parada tau	11-26	Unit Rate, EXWorks		Qua	antity		Tatal Quantities	Unit Rate, Domestic Transportation and Insurance, Currency				Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3	4			5		6 = Σ5			7		8 = 4 x 6	$9 = \Sigma(\pi(5 \times 7))$	10 = 8 + 9
	2		1	Α	В	С	D	0 - 23	Α	В	С	D] 0-420	3 - 2(11(3 x 1))	10-0+3
	Transformer Platform for 100 kVA, 3														
	phase Transformer including														
6		set		6.00	51.00	3.00	18.00								
	LA Fitting Channels, Clamps,														
	Nutbolts all complete														
	Transformer Platform for 200 kVA, 3														
	phase Transformer including														
7		set		1.00	1.00	1.00	1.00								
	LA Fitting Channels, Clamps,														
	Nutbolts all complete														
	Transformer Platform for 300 kVA, 3														
	phase Transformer including														
3	separate separate DO & separate	set		1.00	1.00	1.00	1.00								
	LA Fitting Channels, Clamps,														
	Nutbolts all complete														
B.3	Surge Protection Devices and														
	Accessories														
/	Surge Arrester for Single Phase	set		74.00	_	32.00	23.00								
	Transformer Installation														
2		set		44.00	92.00	20.00	40.00								
	Drop Out Fuse of suitable Capacity														
3		set		74.00	-	32.00	23.00								
	Installation														
	Drop Out Fuse of suitable Capacity	set		44.00	92.00	20.00	40.00								
	Outdoor Pole Mounted Distribution														
	Panel Board (with 25A 2P MCCB-1	set		26.00		12.00	8.00								
	Nos with Copper Busbars and														
	Hardware) Complete Set										ļ	-			
	Outdoor Pole Mounted Distribution														
6	Panel Board (with 50A 2P MCCB-1	set		25.00	_	12.00	8.00								
	Nos with Copper Busbars and														
	Hardware) Complete Set										ļ	-			
	Outdoor Pole Mounted Distribution														
1 7	Panel Board (with 80A 2P MCCB-1	set		23.00	_	8.00	7.00								
1	Nos with Copper Busbars and														
<u> </u>	Hardware) Complete Set			-	-		-				-				
	Outdoor Pole Mounted Distribution														
1 .	Panel Board (with 50A TP MCCB-1	l .				10.00	40.00								
] 8	· ·	set		26.00	-	10.00	13.00								
1	Copper Busbars and Hardware)														
	Complete Set														





Name of Tenderer _____

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

14	Description Unit EXWorks				Qua	intity		Tatal Oversity	Unit Rate,	, Domestic Transp Cur	ortation and Insurency	ırance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda		Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3	4	A	В .	с	D	6 = Σ5	Α	В	7 C	D	8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
9	Copper Busbars and Hardware) Complete Set	set		10.00	39.00	5.00	7.00								
10	Copper Busbars and Hardware) Complete Set	set		6.00	51.00	3.00	18.00								
11	Copper Busbars and Hardware) Complete Set	set		1.00	1.00	1.00	1.00								
12	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		370.00	-	160.00	115.00								
14	LT PVC Cable, (Al. 4 Core, 50 sq mm, Armored)	m		180.00	195.00	75.00	100.00								
15	LT PVC Cable, (Al. 4 Core, 120 sq mm. Armored)	m		30.00	255.00	15.00	90.00								
40	LT PVC Cable, (Al. 4 Core, 300 sq mm, Armored)	m		10.00	10.00	10.00	10.00								
В.4	Switchgear, Data Instrumentation System and Accessories														
2	Transformer Data Instrumentation System with every minute data logging and transfer to Server at Regional Control Centre and programmed locations as per	set		74.00	4.00	32.00	23.00								





Schedule of Rates and Prices

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

Item	Description	Unit	Unit Rate, EXWorks		Qua	antity		Total Quantity	Unit Rate,	Domestic Transp Cur	rency	ırance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
iteiii	Description	Onic	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3	4			5		6 = Σ5		_	7	_	8 = 4 x 6	$9 = \Sigma(\pi(5 \times 7))$	10 = 8 + 9
	_		i i	Α	В	С	D		Α	В	С	D	G - IAG	((c x : //	.0=0.0
	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		44.00	92.00	20.00	40.00								
4	Load Break Switch Data Instrumentation System with every minute data logging and transfer to Server at Regional Control Centre and programmed locations as per specifications all complete - 3 Phase, with IP 67 Box, platform and connection system (Current, Voltage, Daily Load Curve, Status, local storage and transfer via GSM)	set		17.00	4.00	13.00	11.00								





Name of Tenderer

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

Itom	Description	Unit	Unit Rate, EXWorks		Qua	ıntity		Total Quantity	Unit Rate,	Domestic Transp	portation and Insurrency	ırance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	-	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3	4		1	5		6 = Σ5			7		8 = 4 x 6	$9 = \Sigma(\pi(5 \times 7))$	10 = 8 + 9
				Α	В	С	D		Α	В	С	D		· · · //	
C	Low Tension Line														
C.1	Conductor														
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm	kms		-	2.00	-	-								
2	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm	kms		36.41	25.42	42.68	36.48								
3	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	kms		58.26	16.95	68.29	58.36								
2	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	kms		50.98	-	59.75	51.07								
5	Messenger Cable 2 x 25 sq mm	kms		109.24	-	61.46	52.53								
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								
	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete			2.00	2.00	2.00	2.00								
9	Mid-Span Cable Connector/Junction Sleeve	set		582.62	169.50	682.87	583.65								
C.2	Poles and Accessories														
	PSC Pole and Accessories														
		nos.		-	1,009.00	-	-								
		set			404.00	-	-			+	1	 			
	Suspension Assembly for	set		-	949.00	-	-								
	Insulated Piercing Connector	set	<u> </u>	-	2,584.00	-	-			1	†	 			
		set		-	202.00	-	-			1	1	<u> </u>			
		set		-	122.00	-	-			1	1	1			
		set		-	1,615.00	-	-			1	1	1			
8	Pig Tail with Hexagonal Nuts and	set		-	1,030.00	-	-								
9	Pole Clamp with Nut, Bolt and Washers	set		-	41.00	-	-								
10	Twisted Double Eye	set		-	202.00	-	-								
	STP Pole and Accessories														
1	8 m Steel Tubular Pole	nos.		6,069.00	-	4,065.00	3,475.00								





Name of Tenderer	

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

Itom	Description	Unit	Unit Rate, EXWorks		Qua	antity		Total Quantity	Unit Rate,	, Domestic Transı Cu	portation and Insurrency	ırance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency	Local Currency	Local Currency
1	2	3	4			5		6 = Σ5			7		8 = 4 x 6	$9 = \Sigma(\pi(5 \times 7))$	10 = 8 + 9
			·	Α	В	С	D		A	В	С	D	0=120	- ((o x : //	.0=0.0
		set		2,428.00	-	1,626.00	1,390.00								
3	Suspension Assembly for Messenger	set		5,705.00	-	3,822.00	3,267.00								
4	Insulated Piercing Connector	set		15,537.00	-	10,407.00	8,896.00								
5	Angle Plate	set		1,214.00	-	813.00	695.00								
6	Insulated Cable Cap	set		9,711.00	-	6,504.00	5,560.00								
		set		6,434.00	-	4,309.00	3,684.00								
	Pole Clamp with Nut. Bolt and	set		7,647.00	-	5,122.00	4,379.00								
9	Twisted Double Eye			2,185.00	-	1,464.00	1,251.00								
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.		-	202.00	-	-								
2	per design and drawings	nos.		2,428.00	-	1,626.00	1,390.00								
3	(M16 X 50 mm)	nos.		4,856.00	404.00	3,252.00	2,780.00								
4	Bolts with suitable nuts and washers (M16 x 100 mm)	nos.		4,856.00	404.00	3,252.00	2,780.00								
5	Stay Wire, (7/10 SWG minimum)	kg		24,280.00	2,020.00	16,260.00	13,900.00								
6	Stay/Guy Insulator	nos.		2,428.00	202.00	1,626.00	1,390.00								
7	Stay Turn Buckle including Thimble, (18 SWG minimum)	nos.		2,428.00	202.00	1,626.00	1,390.00								
		set		2,428.00	202.00	1,626.00	1,390.00								
	Stay I Rod/Anchor Rod, (minimum 1600 mm)	nos.		2,428.00	202.00	1,626.00	1,390.00								
		nos.		2,428.00	202.00	1,626.00	1,390.00								
11		nos.		2,428.00	202.00	1,626.00	1,390.00								
12	Galvanized Steel Stay Plate for Installation Underground, (300 x 300 x 6 mm minimum)			2,428.00	202.00	1,626.00	1,390.00								
C 2	Special Company														
	Special Components	noc		E 00	E 00	F 00	F 00								
	10 m PSC Pole	nos.	<u> </u>	5.00	5.00	5.00	5.00			+	+	1			
	11 m PSC Pole	nos.	<u> </u>	5.00	5.00	5.00	5.00			+	+	-	 		
		nos.	<u> </u>	5.00	5.00	5.00	5.00		<u> </u>	-	-	-	 		
		nos.	<u> </u>	5.00	5.00	5.00	5.00		<u> </u>	-	-	-	 		
		nos.		4.00	4.00	4.00	4.00			+					
6	13 m Steel Tubular Pole		<u> </u>		-					-	1	-	 		
C.4	Tools and Equipment														





Name of Tenderer _	

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

lt a ma	Description	Unit	Unit Rate, EXWorks		Qua	entity		Total Quantity	Unit Rate	, Domestic Transp Cur	oortation and Insurency	urance, Local	Total EXW Price	Total, Domestic Transportation and Insurance	Total Price
Item	Description	Unit	Local Currency	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Kohalpur Babiyachaur Baddichaur Pipledanda Machhagadh Budhebhapar Odaltal		Baddichaur Odaltal	Local Currency	Local Currency	Local Currency	
1	2	3	4	Α	В	5 C	D	6 = Σ5	Α	В	7 C	D	8 = 4 x 6	9 = Σ(π(5 x 7))	10 = 8 + 9
	Flat wrench of different sizes for common bolts	Sets		5.00	5.00	5.00	5.00								
2	Torque wronch of different sizes for	Sets		5.00	5.00	5.00	5.00								
3	Pipe wrench for common bolts	Sets		5.00	5.00	5.00	5.00								
	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								
0	(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								
		Sets		20.00	20.00	20.00	20.00				<u> </u>	 			
		Pairs		20.00	20.00	20.00	20.00								
10	Safety helmet with chinstran and	Sets		20.00	20.00	20.00	20.00								
' '	Insulation tester (10000 V) suitable for outdoor line testing purpose	Nos.		5.00	5.00	5.00	5.00								
	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								
	ICADACITY WITH All ACCESSORIES	Sets		1.00	1.00	1.00	1.00								
	nand operated	Sets		1.00	1.00	1.00	1.00								
	Grip suitable for ACSR DOG/RABBIT/WEASEL Conductor	Sets		5.00	5.00	5.00	5.00								
		Sets		5.00	5.00	5.00	5.00								
18	Grip suitable for ABC Cable	Sets		5.00	5.00	5.00	5.00								
	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	

Section 4: Tender Forms 4-A-31

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





4-A-32 Section 4: Tender Forms

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)

				Unit I	Price	Total Price		
Item	Description		Quantity	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	Local Currency Portion	
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6	
A.	11 kV Line							
1	Preconstruction Survey, Design and Drawings of 11 kV Line as per the scope of the project	kms	453.07					
2	As Built Drawings, Testing and Commissioning of 11kV Line as per the scope of the project	kms	453.07					
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	325.00					
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	325.00					
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	39.00					
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	39.00					
C.	Low Tension Lines							
1	Preconstruction Survey, Design and Drawings of Low Tension Line as per the scope of the project	kms	584.67					
2	As Built Drawings, Testing and Commissioning of Low Tension Line as per the scope of the project	kms	584.67					





Name of Tenderer	
Signature of Tenderer_	

Section 4: Tender Forms 4-A-33

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				
Scriedule No.	Title	Foreign Currency	Local Currency			
A.	11 kV Line					
B.	Distribution Transformers and Switchgear					
C.	Low Tension Lines					
D.	Environment and Social Monitoring Cost					
	Grand Total to be carried forward to Schedule 5					





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

				Qua	antity			Unit Price, Local Currency				Total Price
Item	Description	Unit	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency
1	2	3			4		5 = Σ4		6		$7 = \Sigma(\pi(4 \times 6))$	
	2		Α	В	С	D	3 - 24	Α	В	С	D	7 - 2(11(4 X 0))
Α	11 kV Lines											
A.1	Conductors						-					
1	Stringing of Covered Conductor (XLPE insulated, 100 sq.mm. AAC)	kms	546.20	121.07	409.72	350.19	1,427.18					
A.2	Poles and accessories						-					
A.Z	Hardware and transportation of 11 m long		-				-					
1	PSC including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	Nos.	-	462.00	-	-	462.00					
2	Hardware and transportation of 11 m long Steel tubular pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	Nos.	3,276.00	342.00	2,458.00	2,101.00	8,177.00					
3	transportation to site.	set	1,311.00	162.00	984.00	841.00	3,298.00					
4	technical specifications for 11 m STP.	cum	2,891.92	301.90	2,169.82	1,854.68	7,218.32					
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 .	D l						-					
A.4	Reconductoring Works						-					
1	Recondutoring of 11 kV lines or LT for certain sections as double or single circuit	kms	10.00	10.00	20.00	10.00	50.00					
2	(Single Phase)	set	10.00	10.00	50.00	10.00	80.00					
3	Reconnection Works of Service Cable (Three Phase)	set	10.00	10.00	20.00	10.00	50.00					
							-					
A.5	Special Components						-					





Name of Tenderer _____

Schedule of Rates and Prices

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

				Qua	antity			Unit Price, Local Currency				Total Price
Item	Description	Unit	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency
1	2	,			4		5 = Σ4	6				7 = \(\(\frac{\fracc}\frac{\frac}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}\firk}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fracc}\frac{\frac}\frac{\frac}\frac{\frac{\frac{\fraccc}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac
'	2		Α	В	С	D	5-24	Α	В	С	D	$7 = \Sigma(\pi(4 \times 6))$
1	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					



Name of Tenderer _____

4-A-36 Section 4: Tender Forms

Nepal Electricity Authority Distribution and Consumer Services Directorate Distribution System Upgrade and Expansion Project Schedule of Rates and Prices

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

			Quantity					Unit Price,	Local Currency		Total Price	
Item	Description	Unit	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency
1	2	3			4		5 = Σ4			6		$7 = \Sigma(\pi(4 \times 6))$
		<u> </u>	Α	В	С	D	J - 24	Α	В	С	D	7 - 2(11(4 X 0))
В	Distribution Transformer											
	Distribution Transformer, Distribution											
B.1	Panel Board, Instrumentation System,						-					
	Cable all complete											
	Transformer Installation and											
1	Commissioning including Platform,	set	26.00	_	12.00	8.00	46.00					
	Distribution Panel Board & Cable all											
	complete - 5 kVA, single phase Transformer Installation and	-							1	1		
	Commissioning including Platform,											
2	Distribution Panel Board & Cable all	set	25.00	-	12.00	8.00	45.00					
	complete - 10 kVA, single phase											
	Transformer Installation and	+										
	Commissioning including Platform,											
3	Distribution Panel Board & Cable all	set	23.00	-	8.00	7.00	38.00					
	complete - 16 kVA, single phase											
	Transformer Installation and											
	Commissioning including Platform,	_			40.00	40.00	10.00					
4	Distribution Panel Board & Cable all	set	26.00	-	10.00	13.00	49.00					
	complete - 25 kVA, 3 phase											
	Transformer Installation and											
5	Commissioning including Platform,	set	10.00	39.00	5.00	7.00	61.00					
	Distribution Panel Board & Cable all	361	10.00	39.00	3.00	7.00	01.00					
	complete - 50 kVA, 3 phase											
	Transformer Installation and											
6	Commissioning including Platform,	set	6.00	51.00	3.00	18.00	78.00					
	Distribution Panel Board & Cable all											
	complete - 100 kVA, 3 phase	-										
	Transformer Installation and											
7	Commissioning including Platform, Distribution Panel Board & Cable all	set	1.00	2.00	1.00	1.00	5.00					
	complete - 200 kVA, 3 phase											
	Transformer Installation and	+										
	Commissioning including Platform,											
8	Distribution Panel Board & Cable all	set	1.00	2.00	1.00	1.00	5.00					
	complete - 300 kVA, 3 phase											
	, , , , , , , , , , , , , , , , , , , ,						-					
B.2	Switchgear and Accessories						-					
4	Surge Arrester Installation and	cot	118.00	94.00	52.00	63.00	327.00					
1	Commissioning all complete	set	110.00	94.00	52.00	63.00	321.00					
2	Drop-Out Fuse Installation and	set	118.00	94.00	52.00	63.00	327.00					
	Commissioning all complete	1301	110.00	34.00	02.00	00.00	327.00					





Name of	Tenderer	

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

				Qua	antity				Unit Pric	e, Local Currency		Total Price
Item	Description	Unit	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency
1	2	3			4		5 = Σ4			6		7 = Σ(π(4 x 6))
'	2	3	Α	В	С	D	5 – 24	Α	В	С	D	7 - 2(11(4 X 6))
3	Installation of MCCB in Single Phase Transformers (upto 150 A)	set	74.00	-	32.00	23.00	129.00					
4	Installation of 3 phase MCCB (upto 350 A)	set	43.00	92.00	19.00	39.00	193.00					
5	Installation of 3 phase MCCB (above 350 A)	set	1.00	2.00	1.00	1.00	5.00					
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	118.00	94.00	52.00	63.00	327.00					
7	Supply, Installation and Commissioning of Data Instrumentation System all complete - Single Phase	set	74.00	-	32.00	23.00	129.00					
8	Supply, Installation and Commissioning of Data Instrumentation System all complete - 3 phase	set	44.00	94.00	20.00	40.00	198.00					
	Installation and Commissioning of Load Break Switches	set	17.00	4.00	13.00	11.00	45.00					
10	Supply, Installation and Commissioning of Data Instrumentation System all complete for Load Break Switches	set	17.00	4.00	13.00	11.00	45.00					





Name of Tenderer _____

4-A-38 Section 4: Tender Forms

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)

				Qua	antity			Unit Price, Local Currency			Total Price	
Item	Description	Unit	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency
1	2	3			4		5 = Σ4		6			$7 = \Sigma(\pi(4 \times 6))$
			Α	В	С	D		Α	В	С	D	. =(())
	Low Tension Lines											
6.1	Stringing of Conductor including all accessories and hardware fittings						-					
1	Aerial Bundled Cable with Messenger Cable 3 x 120 + 1 x 70 sq mm	kms	-	2.00	-	-	2.00					
	Aerial Bundled Cable with Messenger Cable 3 x 95 + 1 x 70 sq mm	kms	36.41	25.42	42.68	36.48	141.00					
2	Aerial Bundled Cable with Messenger Cable 3 x 50 + 1 x 35 sq mm	kms	58.26	16.95	68.29	58.36	201.86					
	Aerial Bundled Cable with Messenger Cable 3 x 25 + 1 x 25 sq mm	kms	50.98	-	59.75	51.07	161.80					
	Aerial Bundled Cable with Messenger Cable 2 x 25 sq mm	kms	109.24	-	61.46	52.53	223.23					
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					
	Overhead ACSR 30 sq mm. with 5% Sag with accessories all complete	kms	2.00	2.00	2.00	2.00	8.00					
	with accessories all complete						-					
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.	-	1,009.00	-	-	1,009.00					
2	Hardware and transportation of 8m long Steel Tubular Pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete	Nos.	6,069.00	-	4,065.00	3,475.00	13,609.00					
	Stay sets, with stay wire, rod, ties & insulator all complete including transportation to site.	set	2,428.00	202.00	1,626.00	1,390.00	5,646.00					
<u>ا</u>	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	4,181.78	-	2,800.95	2,394.41	9,377.15					
	Dismantling Works		-				-					
1	Dismantling of existing LT Poles (Dismantle 9m or 8m Wooden, Steel Tubular or PSC Type poles and carry back to office store safely) all complete	set	10.00	10.00	10.00	10.00	40.00					





Name of Tenderer _____

Schedule of Rates and Prices

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

				Qua	antity		Unit Price, Local Currency			Total Price		
Item	Description	Unit	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency
1	2	3			4		5 = Σ4			6		$7 = \Sigma(\pi(4 \times 6))$
			Α	В	С	D		A	В	С	D	"
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	Recondutoring of 11 kV lines or LT for certain sections as double or single circuit	kms	10.00	10.00	20.00	10.00	50.00					
2	Reconnection Works of Service Cable (Single Phase)	set	10.00	10.00	30.00	10.00	60.00					
3	Reconnection Works of Service Cable (Three Phase)	set	10.00	10.00	10.00	10.00	40.00					
C F	Special Commonwets						-					
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					
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					





Name of Tenderer _____

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

				Qua	antity				Unit Price, I	Local Currency		Total Price
Item	Description	Unit	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Total Quantity	Malarani Pipledanda	Kohalpur Machhagadh	Babiyachaur Budhebhapar	Baddichaur Odaltal	Local Currency
4	2	,		4						6		7 - 5(-(4 6))
'	2	, s	Α	В	С	D	5 = Σ4	Α	В	С	D	7 = Σ(π(4 x 6))
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					



Name of Tenderer _____

Section 4: Tender Forms 4-A-41

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 Monitoring Works			
1	Environmental and Social Monitoring Cost Estimates as per the ESMP Reports and as assigned by Client.	lot		





Name of Tenderer	

4-A-42 Section 4: Tender Forms

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)

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



Name of Tenderer	