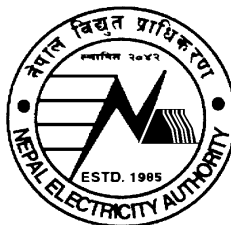


**NEPAL ELECTRICITY AUTHORITY**  
(An Undertaking of Government of Nepal)  
**PROJECT MANAGEMENT DIRECTORATE**  
**Province No. 2 Electrification Project**



**BIDDING DOCUMENT**  
**FOR**  
**Rural Electrification and Distribution Network Reinforcement in Province**  
**No. 2**  
**(Lot 1, Lot 2, Lot 3, Lot 4 and Lot 5)**

**(Design, Supply and Install)**

**Single-Stage, Two-Envelope**  
**Bidding Procedure**

**Issued on:** .....

**Invitation for Bids No.:** ICB-PMD-REDNRP-076/77-01

**OCB No.:** ICB-PMD-DSAEP-076/77-01-Lot 1

**Employer:** Nepal Electricity Authority

**Country:** Nepal

**VOLUME III OF III**  
**(Lot 1)**

**March 2020**

**Province No. 2 Electrification Project**  
Project Management Directorate  
Nepal Electricity Authority  
Chandragiri Municipality Ward No. – 7  
Matatirtha, Kathmandu  
Phone No: +977 1 5164122/5164111

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

FC-Foreign Currency

LC-Local Currency

**Schedule 5: Grand Summary**

S.N.	Schedule No.	Description	Total Price	
			FC	LC
1	Schedule No. 1	Plant and Equipment including Mandatory Spare Parts Supplied from Abroad	-	
2	Schedule No. 2	Plant and Equipment including Mandatory Spare Parts Supplied from Employer's Country		-
3	Schedule No. 3	Design Services	-	-
4	Schedule No. 4	Installation and Other Services	-	-
		<b>Grand Total</b>	-	-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 1: Plant and Equipment including Mandatory Spare Parts Supplied from Abroad**

FC-Foreign Currency

S.N.	Description of Material	Estimated		Country of Origin	CIP Project Site (Saptari, Siraha and Dhanusa Districts) (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		FC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
<b>A</b>	<b>SUB-STATION</b>					
<b>A1</b>	<b>Supply and Delivery of Sub-Station Materials</b>					
1	33/11kV, 3ph, 16.6 MVA MVA Power Transformer including all accessories complete.	Set	5			-
2	33/11kV, 3ph, 8 MVA MVA Power Transformer including all accessories complete.	Set	1			-
3	33/0.4kV, 3ph, 100kVA, Station Transformer including all accessories complete	Set	6			-
4	33kV, 800A Vacuum Circuit Breaker with Accessories Complete	Set	23			-
5	33kV Disconnecting Switch with Earth with Accessories Complete	Set	17			-
6	33kV Disconnecting Switch without Earth with Accessories Complete	Set	23			-
7	30kV, 10kA, Lightning Arrestor with Accessories Complete	Set	23			-
8	33kV Current Transformer with Accessories Complete	Set	23			-
9	33kV Potential Transformer with Accessories Complete	Set	6			-
10	33kV Control and Relay Panel with Accessories Complete	Set	23			-
11	33kV AVR and OLTC Panel with Accessories Complete	Set	6			-
12	33kV Power Fuse (Drop Out Type) with Accessories Complete	Set	6			-
13	33kV Outdoor Busbar (ACSR "BEAR" conductor or Equivalent IPS Tube) with required insulators and accessories complete (1 set consists of busbar at Source Bay & Destination Bay)	Set	6			-
14	250 Ah, 110V Maintenance Free Battery Including all accessories complete	Set	6			-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 1: Plant and Equipment including Mandatory Spare Parts Supplied from Abroad**

FC-Foreign Currency

S.N.	Description of Material	Estimated		Country of Origin	CIP Project Site (Saptari, Siraha and Dhanusa Districts) (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		FC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
15	110V Battery Charger with Accessories Complete	Set	6			-
16	12kV Incomer VCB, CRP, including CT & PT	Set	6			-
17	12kV Outgoing VCB, CRP, CT	Set	24			-
18	12kV Power Cable (Cu conductor, XLPE insulated, 400 sq.mm., single core, armoured)	m	1800			-
19	12kV Power Cable (Al conductor, XLPE insulated, 300 sq.mm., single core, armoured)	m	14400			-
20	Cable Termination Kit (Outdoor Type)	Set	30			-
21	Cable Termination Kit (Indoor Type)	Set	30			-
22	Control Cables including Accessories complete (1 set consists of Source Bay & Destination Bay together)	Set	6			-
23	Marshalling Kisok Box with Accessories Complete	Set	6			-
24	AC Board including Accessories Complete	Nos	6			-
25	DC Board including Accessories Complete	Nos	6			-
26	Gantry Structures including Accessories Complete	Ton	90			-
27	11m Steel Tubular Pole (fully galvanized) with required Channels, clamps, Nut Bolt and 12kV Drop-Out Fuse and 9kV Lightning Arrestor for feeder (2 Nos of poles for each set of feeder) including Accessories Complete	Set	24			-
	<b>Sub Total of A1</b>					-
<b>A2</b>	<b>Spare Parts of Sub-Station Materials</b>					
<b>1</b>	<b>For Transformers</b>					
1.1	33 kV Bushing with complete fittings	Set	12			-
1.2	11 kV Bushing with complete fittings	Set	12			-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 1: Plant and Equipment including Mandatory Spare Parts Supplied from Abroad**

FC-Foreign Currency

S.N.	Description of Material	Estimated		Country of Origin	CIP Project Site (Saptari, Siraha and Dhanusa Districts) (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		FC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
1.3	Bushing Current Transformers	Set	12			-
1.4	Dial type Thermometer	Nos	12			-
<b>2</b>	<b>For 33 kV Circuit Breaker</b>					-
2.1	Complete set of replacable vacuum chambers	Set	12			-
2.2	Bushing	Set	12			-
2.3	Set of Tripping, closing and auxilliary coils	Set	12			-
2.4	Spring Charge Motor	Nos	12			-
<b>3</b>	<b>For 33 kV Disconnecting Switch</b>					-
3.1	Porcelain insulator	Nos	12			-
3.2	Main contact assemblies including grounding blades	Set	12			-
3.3	Auxilliary contacts	Set	12			-
<b>4</b>	<b>For 33 kV Control &amp; Relay panel</b>					-
4.1	Over current/Earth fault relay	Nos	12			-
4.2	Master Trip Relay	Nos	12			-
<b>5</b>	<b>For 12 kV Circuit Breakers</b>					-
5.1	Complete set of replacable vacuum chambers	Nos	24			-
5.2	Set of Tripping, closing and auxilliary coils	Set	24			-
5.3	Over current/Earth fault relay	Nos	12			-
5.4	Current Transformer (For incoming feeder)	Nos	12			-
5.5	Current Transformer (For outgoing feeder)	Nos	24			-
5.6	11 kV Potential Transformer	Set	6			-
5.7	Spring Charge Motor	Nos	12			-
	<b>Sub Total of A2</b>					-
<b>B</b>	<b>33kV Sub-Tranmission Line</b>					

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 1: Plant and Equipment including Mandatory Spare Parts Supplied from Abroad**

FC-Foreign Currency

S.N.	Description of Material	Estimated		Country of Origin	CIP Project Site (Saptari, Siraha and Dhanusa Districts) (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		FC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
<b>B1</b>	<b>Supply and Delivery of Materials for 33kV Line (Underground Cables, Three Core, Double Circuit)</b>					
1	33kV Underground Power Cable (Al conductor, XLPE insulated, 400 sq.mm., Three core, armoured)	km	4			-
2	36kV Straight Through Joints (three core) including all accessories complete	Set	4			-
3	33kV Cable Termination Kit Outdoor Type (three core) including all accessories complete	Set	8			-
4	Flexible Pipe (225mm dia) for laying Three Core UG Cable including all accessories complete	km	3.6			-
5	HDPE Pipe (225mm dia, 6kg) for laying Three Core UG Cable at road crossings including all accessories complete	km	2.4			-
6	Sheath Voltage Limiter including all accessories complete (3 Nos. per set)	Set	4			-
7	33kV Power Fuse (Drop Out Type) including all accessories complete	Set	4			-
8	30 kV, 10 kA Pole Mounted Lightning Arrester including all accessories complete	Set	4			-
	<b>Subtotal of B1</b>					-
<b>B2</b>	<b>Supply and Delivery of Materials for 33kV Line (Steel Telescopic Pole, Double Circuit)</b>					
1	13m Steel Telescopic Pole (fully galvanized)	Nos	14			-
2	11m Steel Telescopic Pole (fully galvanized)	Nos	272			-
3	ACSR "WOLF" Conductor	km	61.800			-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 1: Plant and Equipment including Mandatory Spare Parts Supplied from Abroad**

FC-Foreign Currency

S.N.	Description of Material	Estimated		Country of Origin	CIP Project Site (Saptari, Siraha and Dhanusa Districts) (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		FC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
4	33kV Pin Insulator with Spindle, Nuts Bolts, washer, top tie including all accessories complete	Set	1506			-
5	11kV Disc Insulator	Nos	360			-
6	Tension Set with Ball and Socket Eye	Nos	120			-
7	Backstrap for Insulator String including (50*6*404mm) Nut-Bolt	Set	120			-
8	PG Clamps (for WOLF to WOLF conductor & rated min 500A	Nos	120			-
9	Mid-Span Joining Sleeve (for ACSR "WOLF" Conductor and Steel & rated min 500A)	Nos	60			-
10	Steel Cross Arm Channel (ISMC100x1900mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	690			-
11	Steel Cross Bracing Plate (Flat 50x6x760) with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	1380			-
12	Steel Cross Arm Channel (ISMC100x3300mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	126			-
13	Steel Cross Bracing Angle (ISA50x50x50x6x2872mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	42			-
14	Steel Cross Bracing Angle (ISA50x50x6x2416mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	42			-
15	Steel Lattice Towers (Type of Tower as per site Condition)	Ton	10			-
16	33 kV Air Break Switch including all complete accessories for pole mount.	Set	2			-
17	Stay Set Complete (Stay Rod-19mm, Stay Plate-600x600x6mm, Eye Bolt-16mm, Turn Buckle-19mm fully galvanized)	Set	141			-
18	Stay Insulator	Nos	141			-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 1: Plant and Equipment including Mandatory Spare Parts Supplied from Abroad**

FC-Foreign Currency

S.N.	Description of Material	Estimated		Country of Origin	CIP Project Site (Saptari, Siraha and Dhanusa Districts) (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		FC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
19	Stay Wire (7/8 SWG)	Kg	1218.24			-
	<b>Subtotal of B2</b>					-
<b>B3</b>	<b>Supply and Delivery of Materials for 33kV Line (Underground Cables, Single Core, Single Circuit)</b>					
1	33kV Underground Power Cable (Al conductor, XLPE insulated, 400 sq.mm., single core, armoured)	km	21			-
2	36kV Straight Through Joints (single core-3Nos per set) including all accessories complete	Set	7			-
3	33kV Cable Termination Kit Outdoor Type (single core-3Nos per set) including all accessories complete	Set	14			-
4	Flexible Pipe (125mm dia) for laying Single Core UG Cable including all accessories complete	km	18.9			-
5	HDPE Pipe (125mm dia, 6kg) for laying Single Core UG Cable at road crossing including all accessories complete	km	2.1			-
6	Sheath Voltage Limitor including all accessories complete (3 Nos. per set)	Set	7			-
7	33kV Power Fuse (Drop Out Type) including all accessories complete	Set	7			-
8	30 kV, 10 kA Pole Mounted Lightning Arrester including all accessories complete	Set	7			-
	<b>Subtotal of B3</b>					-
<b>B4</b>	<b>Supply and Delivery of Materials for 33kV Line (Steel Telescopic Pole, Single Circuit)</b>					

Name and Address of Bidder:

Signature and Seal of Bidder:



**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 1: Plant and Equipment including Mandatory Spare Parts Supplied from Abroad**

FC-Foreign Currency

S.N.	Description of Material	Estimated		Country of Origin	CIP Project Site (Saptari, Siraha and Dhanusa Districts) (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		FC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
1	13m Steel Telescopic Pole (fully galvanized)	Nos	73			-
2	11m Steel Telescopic Pole (fully galvanized)	Nos	1454			-
3	ACSR "WOLF" Conductor	km	203.940			-
4	33kV Pin Insulator with Spindle, Nuts Bolts, washer, top tie including all accessories complete	Set	3963			-
5	11kV Disc Insulator	Nos	1188			-
6	Tension Set with Ball and Socket Eye	Set	396			-
7	Backstrap for Insulator String including (50*6*404mm) Nut-Bolt	Set	396			-
8	PG Clamps (for WOLF to WOLF conductor & rated min 500A)	Nos	396			-
9	Mid-Span Joining Sleeve (for ACSR "WOLF" Conductor and Steel & rated min 500A)	Nos	198			-
10	Steel Top Cross Arm Channel (ISMC 100x300mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	1188			-
11	Steel Cross Arm Channel (ISMC100x1900mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	1188			-
12	Steel Cross Bracing Plate (Flat 50x6x760) with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	2376			-
13	Steel Cross Arm Channel (ISMC100x3300mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	266			-
14	Steel Cross Bracing Angle (ISA50x50x50x6x2872mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	266			-
15	Steel Cross Bracing Angle (ISA50x50x6x2416mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	266			-
16	Steel Lattice Towers (Type of Tower as per site Condition)	Ton	30			-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 1: Plant and Equipment including Mandatory Spare Parts Supplied from Abroad**

FC-Foreign Currency

S.N.	Description of Material	Estimated		Country of Origin	CIP Project Site (Saptari, Siraha and Dhanusa Districts) (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		FC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
17	33 kV Air Break Switch including all complete accessories for pole mount.	Set	5			-
18	Stay Set Complete (Stay Rod-19mm, Stay Plate-600x600x6mm, Eye Bolt-16mm, Turn Buckle-19mm fully galvanized)	Set	727			-
19	Stay Insulator	Nos	727			-
20	Stay Wire (7/8 SWG)	Kg	6281.28			-
	<b>Subtotal of B4</b>					-
	<b>Total of Schedule 1 to be carried to Grand Summary</b>					-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 2: Plant and Equipment including Mandatory Spare Parts Supplied from Employer's Country**

LC-Local Currency

S.N.	Description of Material	Estimated		Country of Origin	EXW (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		LC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
<b>A</b>	<b>SUB-STATION</b>					
<b>A1</b>	<b>Supply and Delivery of Sub-Station Materials</b>					
1	33/11kV, 3ph, 16.6 MVA MVA Power Transformer including all accessories complete.	Set	5			-
2	33/11kV, 3ph, 8 MVA MVA Power Transformer including all accessories complete.	Set	1			-
3	33/0.4kV, 3ph, 100kVA, Station Transformer including all accessories complete	Set	6			-
4	33kV, 800A Vacuum Circuit Breaker with Accessories Complete	Set	23			-
5	33kV Disconnecting Switch with Earth with Accessories Complete	Set	17			-
6	33kV Disconnecting Switch without Earth with Accessories Complete	Set	23			-
7	30kV, 10kA, Lightning Arrestor with Accessories Complete	Set	23			-
8	33kV Current Transformer with Accessories Complete	Set	23			-
9	33kV Potential Transformer with Accessories Complete	Set	6			-
10	33kV Control and Relay Panel with Accessories Complete	Set	23			-
11	33kV AVR and OLTC Panel with Accessories Complete	Set	6			-
12	33kV Power Fuse (Drop Out Type) with Accessories Complete	Set	6			-
13	33kV Outdoor Busbar (ACSR "BEAR" conductor or Equivalent IPS Tube) with required insulators and accessories complete (1 set consists of busbar at Source Bay & Destination Bay)	Set	6			-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 2: Plant and Equipment including Mandatory Spare Parts Supplied from Employer's Country**

LC-Local Currency

S.N.	Description of Material	Estimated		Country of Origin	EXW (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		LC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
14	250 Ah, 110V Maintenance Free Battery Including all accessories complete	Set	6			-
15	110V Battery Charger with Accessories Complete	Set	6			-
16	12kV Incomer VCB, CRP, including CT & PT	Set	6			-
17	12kV Outgoing VCB, CRP, CT	Set	24			-
18	12kV Power Cable (Cu conductor, XLPE insulated, 400 sq.mm., single core, armoured)	m	1800			-
19	12kV Power Cable (Al conductor, XLPE insulated, 300 sq.mm., single core, armoured)	m	14400			-
20	Cable Termination Kit (Outdoor Type)	Set	30			-
21	Cable Termination Kit (Indoor Type)	Set	30			-
22	Control Cables including Accessories complete (1 set consists of Source Bay & Destination Bay together)	Set	6			-
23	Marshalling Kisok Box with Accessories Complete	Set	6			-
24	AC Board including Accessories Complete	Nos	6			-
25	DC Board including Accessories Complete	Nos	6			-
26	Gantry Structures including Accessories Complete	Ton	90			-
27	11m Steel Tubular Pole (fully galvanized) with required Channels, clamps, Nut Bolt and 12kV Drop-Out Fuse and 9kV Lightning Arrestor for feeder (2 Nos of poles for each set of feeder) including Accessories Complete	Set	24			-
	<b>Sub Total of A1</b>					-
<b>A2</b>	<b>Spare Parts of Sub-Station Materials</b>					

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 2: Plant and Equipment including Mandatory Spare Parts Supplied from Employer's Country**

LC-Local Currency

S.N.	Description of Material	Estimated		Country of Origin	EXW (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		LC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
<b>1</b>	<b>For Transformers</b>					
1.1	33 kV Bushing with complete fittings	Set	12			-
1.2	11 kV Bushing with complete fittings	Set	12			-
1.3	Bushing Current Transformers	Set	12			-
1.4	Dial type Thermometer	Nos	12			-
<b>2</b>	<b>For 33 kV Circuit Breaker</b>					-
2.1	Complete set of replacable vacuum chambers	Set	12			-
2.2	Bushing	Set	12			-
2.3	Set of Tripping, closing and auxilliary coils	Set	12			-
2.4	Spring Charge Motor	Nos	12			-
<b>3</b>	<b>For 33 kV Disconnecting Switch</b>					-
3.1	Porcelain insulator	Nos	12			-
3.2	Main contact assemblies including grounding blades	Set	12			-
3.3	Auxilliary contacts	Set	12			-
<b>4</b>	<b>For 33 kV Control &amp; Relay panel</b>					-
4.1	Over current/Earth fault relay	Nos	12			-
4.2	Master Trip Relay	Nos	12			-
<b>5</b>	<b>For 12 kV Circuit Breakers</b>					-
5.1	Complete set of replacable vacuum chambers	Nos	24			-
5.2	Set of Tripping, closing and auxilliary coils	Set	24			-
5.3	Over current/Earth fault relay	Nos	12			-
5.4	Current Transformer (For incoming feeder)	Nos	12			-
5.5	Current Transformer (For outgoing feeder)	Nos	24			-
5.6	11 kV Potential Transformer	Set	6			-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 2: Plant and Equipment including Mandatory Spare Parts Supplied from Employer's Country**

LC-Local Currency

S.N.	Description of Material	Estimated		Country of Origin	EXW (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		LC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
5.7	Spring Charge Motor	Nos	12			-
	<b>Sub Total of A2</b>					-
<b>B</b>	<b>33kV Sub-Transmission Line</b>					
<b>B1</b>	<b>Supply and Delivery of Materials for 33kV Line (Underground Cables, Three Core, Double Circuit)</b>					
1	33kV Underground Power Cable (Al conductor, XLPE insulated, 400 sq.mm., Three core, armoured)	km	4			-
2	36kV Straight Through Joints (three core) including all accessories complete	Set	4			-
3	33kV Cable Termination Kit Outdoor Type (three core) including all accessories complete	Set	8			-
4	Flexible Pipe (225mm dia) for laying Three Core UG Cable including all accessories complete	km	3.6			-
5	HDPE Pipe (225mm dia, 6kg) for laying Three Core UG Cable at road crossings including all accessories complete	km	2.4			-
6	Sheath Voltage Limitor including all accessories complete (3 Nos. per set)	Set	4			-
7	33kV Power Fuse (Drop Out Type) including all accessories complete	Set	4			-
8	30 kV, 10 kA Pole Mounted Lightning Arrester including all accessories complete	Set	4			-
	<b>Subtotal of B1</b>					-

Name and Address of Bidder:

Signature and Seal of Bidder:

**NEPAL ELECTRICITY AUTHORITY**  
**Project Management Directorate**  
**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

**Schedule 2: Plant and Equipment including Mandatory Spare Parts Supplied from Employer's Country**

LC-Local Currency

S.N.	Description of Material	Estimated		Country of Origin	EXW (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		LC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
<b>B2</b>	<b>Supply and Delivery of Materials for 33kV Line (Steel Telescopic Pole, Double Circuit)</b>					
1	13m Steel Telescopic Pole (fully galvanized)	Nos	14			-
2	11m Steel Telescopic Pole (fully galvanized)	Nos	272			-
3	ACSR "WOLF" Conductor	km	61.800			-
4	33kV Pin Insulator with Spindle, Nuts Bolts, washer, top tie including all accessories complete	Set	1506			-
5	11kV Disc Insulator	Nos	360			-
6	Tension Set with Ball and Socket Eye	Nos	120			-
7	Backstrap for Insulator String including (50*6*404mm) Nut-Bolt	Set	120			-
8	PG Clamps (for WOLF to WOLF conductor & rated min 500A)	Nos	120			-
9	Mid-Span Joining Sleeve (for ACSR "WOLF" Conductor and Steel & rated min 500A)	Nos	60			-
10	Steel Cross Arm Channel (ISMC100x1900mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	690			-
11	Steel Cross Bracing Plate (Flat 50x6x760) with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	1380			-
12	Steel Cross Arm Channel (ISMC100x3300mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	126			-
13	Steel Cross Bracing Angle (ISA50x50x50x6x2872mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	42			-
14	Steel Cross Bracing Angle (ISA50x50x6x2416mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	42			-
15	Steel Lattice Towers (Type of Tower as per site Condition)	Ton	10			-

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LC-Local Currency

S.N.	Description of Material	Estimated		Country of Origin	EXW (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		LC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
16	33 kV Air Break Switch including all complete accessories for pole mount.	Set	2			-
17	Stay Set Complete (Stay Rod-19mm, Stay Plate-600x600x6mm, Eye Bolt-16mm, Turn Buckle-19mm fully galvanized)	Set	141			-
18	Stay Insulator	Nos	141			-
19	Stay Wire (7/8 SWG)	Kg	1218.24			-
	<b>Subtotal of B2</b>					-
<b>B3</b>	<b>Supply and Delivery of Materials for 33kV Line (Underground Cables, Single Core, Single Circuit)</b>					
1	33kV Underground Power Cable (Al conductor, XLPE insulated, 400 sq.mm., single core, armoured)	km	21			-
2	36kV Straight Through Joints (single core-3Nos per set) including all accessories complete	Set	7			-
3	33kV Cable Termination Kit Outdoor Type (single core-3Nos per set) including all accessories complete	Set	14			-
4	Flexible Pipe (125mm dia) for laying Single Core UG Cable including all accessories complete	km	18.9			-
5	HDPE Pipe (125mm dia, 6kg) for laying Single Core UG Cable at road crossing including all accessories complete	km	2.1			-
6	Sheath Voltage Limitor including all accessories complete (3 Nos. per set)	Set	7			-

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**Schedule of Rates and Prices**

**Schedule 2: Plant and Equipment including Mandatory Spare Parts Supplied from Employer's Country**

LC-Local Currency

S.N.	Description of Material	Estimated		Country of Origin	EXW (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		LC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
7	33kV Power Fuse (Drop Out Type) including all accessories complete	Set	7			-
8	30 kV, 10 kA Pole Mounted Lightning Arrester including all accessories complete	Set	7			-
<b>Subtotal of B3</b>						-
<b>B4</b>	<b>Supply and Delivery of Materials for 33kV Line (Steel Telescopic Pole, Single Circuit)</b>					
1	13m Steel Telescopic Pole (fully galvanized)	Nos	73			-
2	11m Steel Telescopic Pole (fully galvanized)	Nos	1454			-
3	ACSR "WOLF" Conductor	km	203.940			-
4	33kV Pin Insulator with Spindle, Nuts Bolts, washer, top tie including all accessories complete	Set	3963			-
5	11kV Disc Insulator	Nos	1188			-
6	Tension Set with Ball and Socket Eye	Set	396			-
7	Backstrap for Insulator String including (50*6*404mm) Nut-Bolt	Set	396			-
8	PG Clamps (for WOLF to WOLF conductor & rated min 500A)	Nos	396			-
9	Mid-Span Joining Sleeve (for ACSR "WOLF" Conductor and Steel & rated min 500A)	Nos	198			-
10	Steel Top Cross Arm Channel (ISMC 100x300mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	1188			-
11	Steel Cross Arm Channel (ISMC100x1900mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	1188			-

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**Schedule of Rates and Prices**

**Schedule 2: Plant and Equipment including Mandatory Spare Parts Supplied from Employer's Country**

LC-Local Currency

S.N.	Description of Material	Estimated		Country of Origin	EXW (Excluding Taxes and Duties applicable in Nepal)	
		Unit	Quantity		LC	
					Unit Price	Total Price
1	2	3	4	5	6	7=6*4
12	Steel Cross Bracing Plate (Flat 50x6x760) with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	2376			-
13	Steel Cross Arm Channel (ISMC100x3300mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	266			-
14	Steel Cross Bracing Angle (ISA50x50x50x6x2872mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	266			-
15	Steel Cross Bracing Angle (ISA50x50x6x2416mm with suitable Pole Clamps and Nut Bolt fully galvanized)	Set	266			-
16	Steel Lattice Towers (Type of Tower as per site Condition)	Ton	30			-
17	33 kV Air Break Switch including all complete accessories for pole mount.	Set	5			-
18	Stay Set Complete (Stay Rod-19mm, Stay Plate-600x600x6mm, Eye Bolt-16mm, Turn Buckle-19mm fully galvanized)	Set	727			-
19	Stay Insulator	Nos	727			-
20	Stay Wire (7/8 SWG)	Kg	6281.28			-
	<b>Subtotal of B4</b>					-
	<b>Total of Schedule 2 to be carried to Grand Summary</b>					-

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Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

FC-Foreign Currency

LC-Local Currency

**Schedule 3: Design Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
<b>A</b>	<b>Design Services of Substation</b>						
1	Preconstruction Survey, Design and Drawings of 33/11kV Substation as per the scope of the project	LS	6			-	-
2	As Built Drawings, Testing and Commissioning of 33/11kV Substation as per the scope of the project	LS	6			-	-
	<b>Sub Total of A</b>					-	-
<b>B</b>	<b>Design Services of 33kV Line</b>						
1	Preconstruction Survey, Design and Drawings of 33kV Line as per the scope of the project	LS	1			-	-
2	As Built Drawings, Testing and Commissioning of 33kV Line as per the scope of the project	LS	1			-	-
	<b>Sub Total of B</b>					-	-
	<b>Total of Schedule 3 to be carried to Grand Summary</b>					-	-

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Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

FC-Foreign Currency

LC-Local Currency

**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
<b>A</b>	<b>SUB-STATION</b>						
<b>A1</b>	<b>Civil Works as per Technical Specification</b>						
1	Geotechnical /Soil Investigation as per technical specification	LS	6			-	-
<b>2</b>	<b>Site levelling</b>					-	-
2.1	Earth work in cutting & Filling in all types of soils including soft/disintegrated rock	cu.m.	300			-	-
2.2	Earth work in Filling with borrowed earth in proper grade and rammer with road roller or with rammer as per technical specification.	cu.m.	48000			-	-
3	Excavation in all types of soil and rock including backfilling disposal etc. for all leads and lifts	cu.m.	3300			-	-
4	Sand filling work	cu.m.	60			-	-
5	One layer flat brick soling	sq. m.	3600			-	-
6	Stone soling works for approach road & wherever specified in approved drawing including 95% compaction of maximum dry density at OMC of subgrade soil.	sq. m.	3600			-	-
7	Providing and laying of Plain Cement Concrete (1:1.5:3; C:S:A)	cu.m.	1200			-	-
8	Providing and laying of Plain Cement Concrete (1:2:4; C:S:A)	cu.m.	900			-	-
9	Providing and laying of Plain Cement Concrete (1:3:6; C:S:A)	cu.m.	480			-	-
10	Brick aggregate filling work with compaction	cu.m.	30			-	-
11	Stone filling work	cu.m.	600			-	-

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Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

FC-Foreign Currency

LC-Local Currency

**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
12	Construction of retaining wall with random Rubble masonry in cement sand mortar (1:5) including levelling up with stone soling and 100mm thick PCC (1:3:6) ,providing weep holes of PVC pipes (150 mm dia) with necessary filter material at the mouth of weep holes,50 mm thick cement concrete (1:2:4) copping on the top of wall ,excavation of foundation for all lifts up to 3m above lower level.	cu.m.	2100			-	-
13	Gabion work as per technical specification	cu. m.	60			-	-
14	First class brick masonry work in 1:4 C/S mortar	cu.m.	2100			-	-
15	Form work as per Technical Specifications	sq. m.	10800			-	-
16	Steel Reinforcement (Fe 500)	kg	150000			-	-
17	12.5mm thick 1:4 C/S mortar plaster work	sq. m.	12600			-	-
18	20mm thick Terrazzo/mosaic/high density ceramiic tiles of approved color on 25mm average selting bed of 1:4 c/s mortar	sq. m.	1800			-	-
<b>19</b>	<b>Sal wood work</b>					-	-
19.1	Chaukhat (75x100mm)	cu.m.	18			-	-
19.2	Pannel in Doors (40mm thickness)	sq. m.	240			-	-
20	Pannel with glass (thickness of glass 6mm & frame 38x75mm)	sq. m.	450			-	-
<b>21</b>	<b>Aluminium works for Control building with approved colour</b>					-	-
21.1	Main door in two side hung shutter with double pannel of 6mm thick glass (100x45x2mm) swing	sq. m.	30			-	-

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Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

FC-Foreign Currency

LC-Local Currency

**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
21.2	Other Doors in single hung shutter with double pannel (100x45x2mm) swing door	sq. m.	60			-	-
21.3	Aluminium sliding window (two track) with mosquito mesh (100x45x1.5mm)	sq. m.	150			-	-
21.4	Aluminium fixed window for battrey room	sq. m.	7.2			-	-
<b>22</b>	<b>Supplying &amp; laying hume pipe with collars of grade (NP-3) all complete works.</b>					-	-
22.1	250mm dia	rm	30			-	-
22.2	300mm dia	rm	30			-	-
<b>23</b>	<b>All civil works for construction of drains as per technical specification and approved drawing including PCC &amp; steel reinforcement</b>					-	-
23.1	Type AA (300mm wide x Depth up to 600mm)	rm	870			-	-
23.2	Type BB (450 wide x Depth From 600 to 900mm)	rm	750			-	-
23.3	Type CC (600 wide x Depth From 900 to 1200mm)	rm	240			-	-
24	Supply and instalation of 15 gauge Rolling shutter door (including all accessories and double coat primer and enamel paint works)	sq. m.	48			-	-
25	Supplying and fixing of iron grill including double coat primer and enamel paint works	kg	900			-	-
26	Chain link fencing for Switchyard as per technical specification and approved drawing including all complete works.	rm	540			-	-
27	Switch yard Gate as per technical specification and approved drawing including all complete works.	Nos.	6			-	-

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**Schedule of Rates and Prices**

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**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
28	Supply and installation of Steel Gate (Main Entry) for boundary wall as per technical specification	Nos	6			-	-
29	External sewerage system including all item such as excavation, piping, pipe fittings, manholes, gali trap, gali chamber,septic tank, soak pit.	LS	12			-	-
30	Plumbing works for Control building and Staff quarters including CPVC pipes, fitting and all related accessories (ISO certified and NS or Equivalent Standard) for bathrooms and kitchens as per approved drawing/ technical specification.	Lot	6			-	-
31	Ventilation (9" exhaust fan)	Nos	24			-	-
32	Supplying and erecting 1 HP stage water pump of crompton and Greaves or equivalent as per site requirement.	Nos	18			-	-
33	1000 lts. Stainless steel water tank ((ISO certified and NS or Equivalent standard)	Nos	12			-	-
34	Making arrangement for permanent source of drinking water supply for substation staff in control building and staff quater as per site requirement.	Nos	6			-	-
<b>35</b>	<b>Painting Works</b>					-	-
35.1	Double coat exterior emulsion paint works as per Technical Specifications.	sq. m.	9000			-	-
35.2	Double coat interior emulsion paint works (including double coat wall putty and primer works)	sq. m.	9000			-	-
35.3	2 or more coat enamel paint work including metal primer work as per Technical Specifications	sq. m.	600			-	-

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**Schedule of Rates and Prices**

FC-Foreign Currency

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**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
36	Electrification of Guard House, Control building and Staff quarter as per approved drawing.	Lot	6			-	-
37	False ceiling complete works as per technical specification	Sq.mt	900			-	-
38	Furnishing of office equipment (office table with drawer-1, revolving chair-1, ordinary chair-4, steel almari 3'*5'-1, File cabinet 3'*4'-1)	Lot	6			-	-
39	Installation of Wall mounted Television at Control Room including supply of 32" LED Color Television & Set-top box connection as per the approved GTP/Drawings including accessories all complete	Nos.	6			-	-
40	Installation of Air-Conditioner including supply of 1.5 ton Cassette Air Conditioner at 33kV Control Room as per the approved GTP/Drawings including accessories all complete	Nos.	12			-	-
41	Establishment of Camps facilities as per Technical Specifications and instruction/approval of Employer	LS	6			-	-
42	Miscellaneous civil works as per site condition and instruction/approval of Employer	LS	6			-	-
<b>Sub Total of A1</b>						-	-
<b>A2</b>	<b>Civil Works of Sub-Station Equipment</b>						
1	Concrete foundation works for 33/11 kV Power Transformer as per TS & approved design all complete	Set	6			-	-
2	Concrete foundation works for 33/0.4 kV Station Transformer as per TS & approved design all complete	Set	6			-	-

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FC-Foreign Currency

LC-Local Currency

**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
3	Concrete foundation works for 33 kV Vacuum Circuit Breaker as per TS & approved design all complete	Set	23			-	-
4	Concrete foundation works for 33 kV Disconnecting Switch as per TS & approved design all complete	Set	40			-	-
5	Concrete foundation works for 33 kV Lightning Arrestors (Set of 3 Nos.) as per TS & approved design all complete	Set	23			-	-
6	Concrete foundation works for 33 kV Current Transformers (Set of 3 Nos.) as per TS & approved design all complete	Set	23			-	-
7	Concrete foundation works for 33 kV Potential Transformers (Set of 3 Nos.) as per TS & approved design all complete	Set	6			-	-
8	Concrete foundation works for Gantry column as per TS & approved design all complete (1 set = 2 vertical+1 horizontal)	Set	24			-	-
9	Cable Trench with RCC wall and cover as per TS & approved design: All type all complete	Rm	420			-	-
10	Surface dressing with Crushed Stone including antiweed treatment as per TS & approved design all complete (1 set consists of Source Bay & Destination Bay)	Set	6			-	-
	<b>Sub Total of A2</b>					-	-
<b>A3</b>	<b>Installation, Testing and Commissioning of Electrical Goods</b>						
1	Installation, Testing and Commissioning of 33/11 kV Power Transformer including accessories all complete	Set	6			-	-
2	Installation, Testing and Commissioning of 33/0.4kV Station Transformer including accessories all complete	Set	6			-	-

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FC-Foreign Currency

LC-Local Currency

**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
3	Installation, Testing and Commissioning of 33 kV Vacuum Circuit Breaker including installation of support Gantry all complete	Set	23			-	-
4	Installation, Testing and Commissioning of 33 kV Disconnecting Switch with and without earth switch including installation of support Gantry all complete	Set	40			-	-
5	Installation, Testing and Commissioning of 33 kV Lightning Arrestor including installation of support Gantry all complete	Set	23			-	-
6	Installation, Testing and Commissioning of 33 kV Current Transformer including installation of support Gantry all complete	Set	23			-	-
7	Installation, Testing and Commissioning of 33 kV Potential Transformer including installation of support Gantry all complete	Set	6			-	-
8	Installation, Testing and Commissioning of 33 kV Control and Relay Panel all complete	Set	23			-	-
9	Installation, Testing and Commissioning of 33 kV AVR and OLTC Panel all complete	Set	6			-	-
10	Installation, Testing and Commissioning of 33 kV Power Fuse including installation of support Gantry all complete	Set	6			-	-
11	Installation, Testing and Commissioning of 33 kV Outdoor Busbar including accessories all complete (1 set consists of busbar at Source Bay & Destination Bay)	Set	6			-	-

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**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
12	Installation, Testing and Commissioning of 110 V Maintenance free Battery including accessories all complete	Set	6			-	-
13	Installation, Testing and Commissioning of 110 V Battery Charger including accessories all complete	Set	6			-	-
14	Installation, Testing and Commissioning of 12 kV Circuit breaker with Control Panel including accessories all complete	Set	30			-	-
15	12 kV Power Cable (400 & 300 sq.mm) laying works all complete	m	16200			-	-
16	12 kV Cable Termination/Joining works including accessories all complete	Set	60			-	-
17	Installation of Marshalling Kisok Box including accessories all complete	Set	6			-	-
18	Installation of AC Board and DC Boards	Set	12			-	-
19	Installation of Gantry column all complete (1 set = 2 vertical+1 horizontal)	Set	24			-	-
20	Installation of feeder on 11m Steel Tubular Pole with required concreting and installation of DO, LA, Channels, etc. (2 Nos of poles for each set of feeder) including accessories all complete	Set	24			-	-
21	Installation of Street Light Pole for switchyard and internal road lighting including supply of materials (9m galvanized Steel tubular pole with LED street light, PV sensor & separate AC DB) and necessary concreting works as per the TS and approved GTP/Drawings including accessories all complete	Set	48			-	-

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FC-Foreign Currency

LC-Local Currency

**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
22	Earthing Works including Soil resistivity Test and Supply of Materials as per the TS & approved design and drawings for all complete Switchyard, Control Building, Source bay, destination bay, etc.	LS	6			-	-
23	Installation of lightning protection sytem including supply of lightning rod, EHS shielding wire as per the TS & approved design and drawings all complete	LS	6			-	-
24	Installation of Fire-Fighting equipments including supply of materials (2 Nos. of 4.5kg each and 2 Nos. of 22.5kg each trolley mounted CO2 type fire extinguisher) including accessories all complete	LS	6			-	-
<b>Sub Total of A3</b>						-	-
<b>B</b>	<b>33kV Sub-Tranmission Line</b>						
<b>B1</b>	<b>Erection Works of 33kV Line (Underground Cables, Three Core, Double Circuit)</b>						
1	33kV Underground Power Cable Laying works (2Nos of three Core Conductor in 2 Nos of Flexible Pipe/HDPE Pipe/Conduits) including transportation to site and Restoration of road to original with required drainage, pavement, black-topping, subbase and base as per TS of Department of Roads and/or respective Municipality	km	2			-	-
2	Installation of Cable Straight through Joints with accessories all complete including transportation to site	Set	4			-	-

Name and Address of Bidder:

Signature and Seal of Bidder:

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**Province No. 2 Electrification Project**

OCB No. ICB-PMD-REDNRP-076/77-01-Lot 1

Rural Electrification and Distribution Network Improvement in Province No. 2

**Schedule of Rates and Prices**

FC-Foreign Currency

LC-Local Currency

**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
3	Installation of 33 kV outdoor XLPE Cable Termination kit with accessories all complete including transportation to site	Set	8			-	-
4	Installation of 30 kV LA (3Nos), Power Fuse (3Nos) including accessories all complete including transportation to site	Set	4			-	-
5	Supply & Installation of Danger Sheets and Route Markers Complete including transportation to site	rkm	2			-	-
6	Earthing works including Supply of Earthing Materials required in U/G Cable Terminations, Straight Through Joints, LA etc to complete the specified scope of works including transportation to site	Lot	2			-	-
7	Design & Construction of Cable Joining Station/Pits	Set	2			-	-
	<b>Subtotal of B1</b>					-	-
<b>B2</b>	<b>Erection Works of 33kV Line (Steel Telescopic Pole, Double Circuit)</b>						
1	Erection works of 13m long Steel Telescopic Pole with Hardware fittings including transportation to site all complete	Set	14			-	-
2	Erection works of 11m long Steel Telescopic Pole with Hardware fittings including transportation to site all complete	Set	272			-	-
3	Stringing, Testing and Commissioning works of ACSR "WOLF" Conductor, 6 wire including transportation to site all complete	km	10			-	-
4	Stay set installation works with stay wire, rod, ties & insulator all complete including transportation to site	Set	141			-	-

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**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
5	Design, Testing and Installation of Steel Lattice Towers including transportation to site with required concrete foundation all complete	Set	2			-	-
6	Installation of Pole Mounted 33 kV Air Break Switch including transportation to site all complete	Set	2			-	-
	<b>Subtotal of B2</b>					-	-
<b>B3</b>	<b>Erection Works of 33kV Line (Underground Cables, Single Core, Single Circuit)</b>						
1	33kV Underground Power Cable Laying works (3Nos of Single Core Conductor in 3 Nos of Flexible/HDPE Pipe/Conduits) including transportation to site and Restoration of road to original with required drainage, pavement, black-topping, subbase and base as per TS of Department of Roads and/or respective Municipality	km	7			-	-
2	Installation of XLPE Cable Straight Through Joints including Accessories Complete including transportation to site	Set	7			-	-
3	Installation of XLPE Cable Termination Kit including Accessories Complete including transportation to site	Set	14			-	-
4	Installation of 30 kV LA (3Nos), Power Fuse (3Nos) including accessories all complete including transportation to site	Set	7			-	-
5	Supply & Installation of Danger Sheets and Route Markers Complete including transportation to site	rkm	7			-	-

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**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
6	Earthing works including Supply of Earthing Materials required in U/G Cable Terminations, Straight Through Joints, LA etc to complete the specified scope of works including transportation to site	Lot	7			-	-
7	Design & Construction of Cable Joining Station/Pits	Set	7			-	-
	<b>Subtotal of B3</b>					-	-
<b>B4</b>	<b>Erection Works of 33kV Line (Steel Telescopic Pole, Single Circuit)</b>						
1	Erection works of 13m long Steel Telescopic Pole with Hardware fittings including transportation to site all complete	Set	73			-	-
2	Erection works of 11m long Steel Telescopic Pole with Hardware fittings including transportation to site all complete	Set	1454			-	-
3	Stringing, Testing and Commissioning works of ACSR "WOLF" Conductor, 3 wire including transportation to site all complete	km	66			-	-
4	Stay set installation works with stay wire, rod, ties & insulator all complete including transportation to site	Set	727			-	-
5	Design, Testing and Installation of Steel Lattice Towers including transportation to site with required concrete foundation all complete	Set	6			-	-
6	Installation of Pole Mounted 33 kV Air Break Switch including transportation to site all complete	Set	5			-	-
	<b>Subtotal of B4</b>					-	-

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**Schedule of Rates and Prices**

FC-Foreign Currency

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**Schedule 4: Installation and Other Services**

S.N.	Description	Estimated		Unit Price		Total Price	
		Unit	Quantity	FC	LC	FC	LC
1	2	3	4	5	6	7=5*4	8=6*4
	<b>Total of Schedule 4 to be carried to Grand Summary</b>					-	-

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Signature and Seal of Bidder: