

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



Re-TENDER DOCUMENT

for

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

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

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

Issued on:

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

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

Employer: Nepal Electricity Authority

Country: Nepal

Volume IIIA of III

(Price Schedule of 33/11 kV Substations and 33 kV Lines)

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



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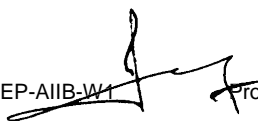
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Name of Tenderer _____

Signature of Tenderer _____



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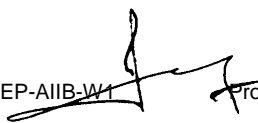
Signature of Tenderer _____



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Name of Tenderer _____

Signature of Tenderer _____



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

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

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

Name of Tenderer _____

Signature of Tenderer _____

Single-Stage: Two-Envelope



Procurement of Plant



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

Nepal Electricity Authority
Distribution and Consumer Services Directorate
Distribution System Upgrade and Expansion Project
Project Component Wise Summary of Costs (Excluding Custom Duty and VAT applicable in Employer's Country)

| Item | Description | Total Price | |
|------------|--|------------------|----------------|
| | | Foreign Currency | Local Currency |
| 1 | 2 | 3 | 4 |
| 1 | SUBSTATION | | |
| 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 | | |
| 1.4.1 | Civil Works of Switchyard Components - Concrete Foundation as per technical specifications and approved design | | |
| 1.4.2 | Installation Testing and Commissioning Works of Electrical Components of Substation | | |
| 1.4.3 | Landscaping Works | | |
| 1.4.4 | Building Works | | |
| 1.4.5 | Roads and Drainage | | |
| T-1 | Sub Total of SUBSTATION | | |
| 2 | 33 kV FEEDER / TAP OFF STRUCTURE | | |
| 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 | | |
| 2.4.1 | Civil Works of Interconnection Components - Concrete Foundation as per technical specifications and approved design/drawings | | |
| 2.4.2 | Installation Testing and Commissioning Works of Electrical Components of 33 kV feeder/Tap Off Structure | | |
| T-2 | Sub Total of 33 kV FEEDER / TAP OFF STRUCTURE | | |
| 3 | 33 kV Line | | |
| 3.1 | Plant and Mandatory Spare Parts Supplied from Abroad | | |

Name of Tenderer _____

Signature of Tenderer _____




Nepal Electricity Authority
Distribution and Consumer Services Directorate
Distribution System Upgrade and Expansion Project
Project Component Wise Summary of Costs (Excluding Custom Duty and VAT applicable in Employer's Country)

| Item | Description | Total Price | |
|---|---|------------------|----------------|
| | | Foreign Currency | Local Currency |
| 1 | 2 | 3 | 4 |
| 3.2 | Plant and Mandatory Spare Parts Supplied from Within the Employer's Country | | |
| 3.3 | Design Services | | |
| 3.4 | Installation and Other Services | | |
| 3.4.1 | Installation, Testing and Commissioning Works and Civil Works | | |
| T-3 | Sub Total of 33 kV Line | | |
| 4 | UNDERGROUND CABLE | | |
| 4.1 | Plant and Mandatory Spare Parts Supplied from Abroad | | |
| 4.2 | Plant and Mandatory Spare Parts Supplied from Within the Employer's Country | | |
| 4.3 | Design Services | | |
| 4.4 | Installation and Other Services | | |
| 4.4.1 | Installation, Testing and Commissioning Works and Civil Works | | |
| T-4 | Sub Total of UNDERGROUND CABLE | | |
| 5 | Environmental and Mitigation Works | | |
| 5.1 | Mitigation Works | | |
| T-5 | Sub Total of Environmental and Mitigation Works | | |
| Grand Total (Sum of T-1 ... T-5) | | | |

Name of Tenderer _____

Signature of Tenderer _____

Single-Stage: Two-Envelope



Procurement of Plant



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

Nepal Electricity Authority
Distribution and Consumer Services Directorate
Distribution System Upgrade and Expansion Project

Schedule of Rates and Prices

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

| Schedule No. | Title | Total Price | |
|--|---|------------------|----------------|
| | | Foreign Currency | Local Currency |
| A. | SUBSTATION | | |
| B. | 33 kV FEEDER / TAP OFF STRUCTURE | | |
| C. | 33 kV LINE | | |
| D. | UNDERGROUND CABLE | | |
| Grand Total to be carried forward to Schedule 5 | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Country of Origin | Unit | Unit Rate, CIP (Nepal Border) | | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total, CIP (Nepal Border) | Total, Domestic Transportation and Insurance |
|------------|--|-------------------|------|-------------------------------|----------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|---------------------------|--|
| | | | | Foreign Currency | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | Foreign Currency | Local Currency |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) | |
| | | | | | A | B | C | | A | B | C | | | |
| A. | SUBSTATION | | | | | | | - | | | | | | |
| A.1 | Power Transformers | | | | | | | - | | | | | | |
| 1 | 33/11 kV 12/16 MVA copper wound power transformer, CRGO core (with OLTC and RTCC Panel) complete with all accessories | | set | | - | - | - | - | | | | | | |
| 2 | 33/11 kV 6/8 MVA copper wound power transformer, CRGO core (with OLTC and RTCC Panel) complete with all accessories | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 3 | 33/11 kV 3 MVA copper wound power transformer, CRGO core | | set | | - | - | - | - | | | | | | |
| 4 | 33/11 kV 1 MVA copper wound power transformer, CRGO core | | set | | - | - | - | - | | | | | | |
| | | | | | | | | - | | | | | | |
| A.2 | 36 kV System | | | | | | | - | | | | | | |
| 1 | 36 kV, 630 A, 25 kA Outdoor Type, Vacuum Circuit Breaker with Accessories all Complete | | set | | 2.00 | 2.00 | 3.00 | 7.00 | | | | | | |
| 2 | 36 kV, 630 A, 25 kA, isolator with earth switch including accessories all complete | | set | | 4.00 | 4.00 | 6.00 | 14.00 | | | | | | |
| 3 | 36 kV, 40 A, Load Break Switch with accessories all complete | | set | | - | - | - | - | | | | | | |
| 4 | 36 kV, 4 A, Load Break Switch with accessories all complete | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 5 | Two Core Potential Transformer for 33 kV including fuse with accessories all complete as specified | | set | | 2.00 | 2.00 | 3.00 | 7.00 | | | | | | |
| 6 | Three Core Current Transformer for 33 kV with accessories all complete as specified | | set | | 2.00 | 2.00 | 3.00 | 7.00 | | | | | | |
| 7 | Two Core Bushing CT for 33/11 kV Power Transformer with accessories all complete as specified. | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 8 | Two Core CT for neutral side of 33/11 kV Power Transformer with accessories all complete as specified. | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 9 | 30 kV, 10 kA, lightning arrester with accessories all complete | | set | | 3.00 | 3.00 | 4.00 | 10.00 | | | | | | |
| 10 | 33kV Outdoor Busbar (IPS tube, 800A) with required insulators and accessories as well as any cables necessary in 33 kV side all complete | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 11 | 33/11 kV Transformer Control and Protection Panel complete with all accessories as per specification | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 12 | 33 kV Protection Control and Relay Panel complete with all accessories as per specification for Line Bays | | set | | 1.00 | 1.00 | 2.00 | 4.00 | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Country of Origin | Unit | Unit Rate, CIP (Nepal Border) | | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total, CIP (Nepal Border) | | Total, Domestic Transportation and Insurance |
|-------------------------|---|-------------------|------|-------------------------------|------|---------------------|---------------|----------------|----------------|--|---------------|----------------|---------------------------|----------------|--|
| | | | | Foreign Currency | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | Foreign Currency | Local Currency | |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) | | |
| | | | | | A | B | C | | A | B | C | | | | |
| 13 | Marshalling Kiosk Box with Accessories all Complete (1 set refers to complete set in a substation) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | | |
| A.3 12 kV System | | | | | | | | | | | | | | | |
| 1 | 12 kV Indoor VCB, with Control and Relay Panel and CT / PT with accessories all complete as specified | | set | | 5.00 | 5.00 | 5.00 | 15.00 | | | | | | | |
| 2 | 12 kV, 25 kA, Indoor Earth Switch with accessories all complete as specified | | set | | 4.00 | 4.00 | 4.00 | 12.00 | | | | | | | |
| 3 | 9 kV, 10 kA, lightning arrester with accessories all complete | | set | | 5.00 | 5.00 | 5.00 | 15.00 | | | | | | | |
| | | | | | | | | - | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Country of Origin | Unit | Unit Rate, CIP (Nepal Border) | | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total, CIP (Nepal Border) | Total, Domestic Transportation and Insurance |
|--|---|-------------------|------|-------------------------------|--------|---------------------|---------------|----------------|----------------|--|---------------|----------------|---------------------------|--|
| | | | | Foreign Currency | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | Foreign Currency | Local Currency |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) | |
| | | | | | A | B | C | | A | B | C | | | |
| A.4 Station Supply System | | | | | | | | | | | | | | |
| 1 | 33/0.4 kV 100 kVA station transformer | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 2 | AC Distribution System Including Accessories all Complete as per specifications(1 set includes complete lot for substation including all buildings and constructions with necessary earthing works inside the substation) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 3 | Portable Diesel Generator, 10 kVA, 400 V including grid interconnection setup, relay, control units and associated panels, as per specifications | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| A.5 DC System | | | | | | | | | | | | | | |
| 1 | 250 Ah, 110 V maintenance free batteries including complete accessories | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 2 | Battery Charging unit (110 V) with accessories all complete | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 3 | DC Distribution System including accessories all complete as per specifications(1 set includes complete lot for substation) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| A.6 Cables | | | | | | | | | | | | | | |
| 1 | 11 kV XLPE Cable 3 Core 300 sq mm (Armoured) | | m | | 25.00 | 25.00 | 25.00 | 75.00 | | | | | | |
| 2 | 11 kV XLPE Cable 3 Core 185 sq mm (Armoured) | | m | | 140.00 | 140.00 | 140.00 | 420.00 | | | | | | |
| 3 | 11 kV XLPE Cable 3 Core 120 sq mm (Armoured) | | m | | - | - | - | - | | | | | | |
| 4 | 11 kV 3-core heat shrinkable Indoor Cable termination kit 185/300/120 sq mm | | set | | 5.00 | 5.00 | 5.00 | 15.00 | | | | | | |
| 5 | 11 kV 3-core heat shrinkable outdoor Cable termination kit 185/120 sq mm | | set | | 5.00 | 5.00 | 5.00 | 15.00 | | | | | | |
| 6 | Control cables including accessories complete (1 set includes source bay and destination bay together)(1 set includes complete lot for substation) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| 7 | 1.1 kV power and lighting cable, including DC circuitry for all works in the switchyard, outdoor lighting, beauty lighting all complete (1 set includes complete lot for substation) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | | |
| A.7 Automation and Control System - SCADA | | | | | | | | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Country of Origin | Unit | Unit Rate, CIP (Nepal Border) | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total, CIP (Nepal Border) | Total, Domestic Transportation and Insurance |
|---|---|-------------------|------|-------------------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|---------------------------|--|
| | | | | Foreign Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | Foreign Currency | Local Currency |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| | | | | | A | B | C | | A | B | C | | |
| 1 | SCADA/ Automation Integration, Numerical relay cum Bay controller with other indicative/measuring instruments. SCADA system shall communicate with C & R panels, Bay Control Units of 33 kV Feeder, 11kV switchgear panel, battery charger, ACDB etc along with necessary hardware & Software & fibre optic cable etc. all complete with necessary accessories adhering to the Technical Specifications and requirement for the substation.(1 set includes complete lot for substation) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Desktop, i9, 10th generation or equivalent with 512 GB SSD and 1 GB HDD, 24 " two screen, | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 3 | Laptop, with same configuration as desktop and 15 " screen | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| A.8 Grounding System | | | | | | | | - | | | | | |
| 1 | Switchyard Lightning Protection System, Earthing arrangement, Including protection for Control building and other structures inside the substation area as essential in the substation all complete(1 set includes complete lot for substation) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Lightning Mast | | ton | | 0.07 | 0.07 | 0.07 | 0.21 | | | | | |
| A.9 Illumination System | | | | | | | | - | | | | | |
| 1 | Switchyard and Substation yard lighting with 36 W, IP 65 LED with at least 20 lux elsewhere and 200 lux at switchyard, as per site conditions all complete(1 set includes complete lot for substation) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| A.10 Outdoor Gantry and Support Structures | | | | | | | | - | | | | | |
| 1 | Gantry Column, Girder structures, Support Structures for 33/11 kV substation, all complete as per specifications for each sub-project | | ton | | 3.71 | 3.71 | 6.12 | 13.55 | | | | | |
| 2 | Chequered Plate for Cable Trench in Control Building with accessories all complete as for specifications | | ton | | 0.20 | 0.20 | 0.32 | 0.71 | | | | | |
| A.11 11 kV Overhead Line Feeder Components | | | | | | | | - | | | | | |
| 1 | 9 kV, 10 kA, Pole Mounted lightning arrester with accessories all complete | | set | | 4.00 | 4.00 | 4.00 | 12.00 | | | | | |
| 2 | Pole Mounted Isolator, for 11 kV with accessories all complete | | set | | 4.00 | 4.00 | 4.00 | 12.00 | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



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

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

| Item | Description | Country of Origin | Unit | Unit Rate, CIP (Nepal Border) | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total, CIP (Nepal Border) | Total, Domestic Transportation and Insurance | |
|---------------|--|-------------------|------|-------------------------------|---------------------|---------------|----------------|--|---------------------|---------------|---------------------------|--|------------------|
| | | | | Foreign Currency | Ghorahi Makaundanda | Ghorahi Hapur | | Lamahi Gadhawa | Ghorahi Makaundanda | Ghorahi Hapur | | | Lamahi Gadhawa |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| | | | | | A | B | C | | A | B | C | | |
| A.12 | SPARE PARTS | | | | | | | - | | | | | |
| A.12.1 | For Transformers | | | | | | | - | | | | | |
| 1 | 33 kV and 11 kV Bushing(one of each type) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Dial type Thermometers | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 3 | Oil Level Gauges | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 4 | Insulating Oil (10% of total supply) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 5 | Indicating Lamps (25% of used) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 6 | All types of Fuses (25% of used) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 7 | Complete set of Gaskets of each type | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 8 | Complete set of Pressure Relief Devices | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 9 | All type of Auxiliary, Relays, Contactors and Timers for control, protection and cooling circuit(one of each type) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 10 | OLTC Motor Contactor | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 11 | Complete set of Buchholz relay | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 12 | OLTC motor | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 13 | Motors for mechanism of each type | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| | | | | | | | | - | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



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

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

| Item | Description | Country of Origin | Unit | Unit Rate, CIP (Nepal Border) | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total, CIP (Nepal Border) | Total, Domestic Transportation and Insurance | |
|---|--|-------------------|------|-------------------------------|---------------------|---------------|----------------|--|---------------------|---------------|---------------------------|--|------------------|
| | | | | Foreign Currency | Ghorahi Makaundanda | Ghorahi Hapur | | Lamahi Gadhawa | Ghorahi Makaundanda | Ghorahi Hapur | | | Lamahi Gadhawa |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| | | | | | A | B | C | | A | B | C | | |
| A.12.2 For 33 kV Circuit Breaker | | | | | | | | | | | | | |
| 1 | Tripping Coils | | set | | 2.00 | 2.00 | 3.00 | 7.00 | | | | | |
| 2 | Closing Coils | | set | | 2.00 | 2.00 | 3.00 | 7.00 | | | | | |
| 3 | Relays and Contactors (One of each type) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 4 | Motors for Mechanism | | set | | 2.00 | 2.00 | 3.00 | 7.00 | | | | | |
| 5 | Interrupter for VCB | | set | | 2.00 | 2.00 | 3.00 | 7.00 | | | | | |
| | | | | | | | | - | | | | | |
| A.12.3 For 33 kV Disconnecting Switch | | | | | | | | | | | | | |
| 1 | Porcelain insulator | | set | | 4.00 | 4.00 | 6.00 | 14.00 | | | | | |
| 2 | Main contact assemblies including grounding blades | | set | | 4.00 | 4.00 | 6.00 | 14.00 | | | | | |
| 3 | Auxiliary contacts | | set | | 4.00 | 4.00 | 6.00 | 14.00 | | | | | |
| 4 | Interlocking Coil | | set | | 4.00 | 4.00 | 6.00 | 14.00 | | | | | |
| | | | | | | | | - | | | | | |
| A.12.4 For 33 kV Instrument Transformers | | | | | | | | | | | | | |
| 1 | Two Core Potential Transformer for 33 kV including fuse with accessories all complete as specified (1 Set = 3 Phase) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Three Core Current Transformer for 33 kV with accessories all complete as specified (1 Set = 3 Phase) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| | | | | | | | | - | | | | | |
| A.12.5 Lightning Arrestor | | | | | | | | | | | | | |
| 1 | 30 kV Lightning Arrestor (1 Set = 3 Phase) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | 9 kV Lightning Arrestor (1 Set = 3 Phase) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| | | | | | | | | - | | | | | |
| A.12.6 For 33 kV Control & Relay panel | | | | | | | | | | | | | |
| 1 | Indicating Lamps (50% of used) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Fuses of each type(50% of used) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 3 | Color Caps of each color for indicating lamps (30% of used) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 4 | One of each type of Switch, Timer and other special devices | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 5 | 3 Phase Over Current Relays with Earthfault Inbuilt | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 6 | 3 Phase Transformer Differential Relays | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 7 | Each type of Auxiliary Relay | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 8 | Ammeter | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 9 | Voltmeter | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| | | | | | | | | - | | | | | |
| A.12.7 Communication/SCADA | | | | | | | | | | | | | |
| 1 | Input Output Cards/Attribute Cards, (50% of used) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |

Name of Tenderer _____

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|---------------|---|-------------------|------|-------------------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|---------------------------|--|
| | | | | Foreign Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | Foreign Currency | Local Currency |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| | | | | | A | B | C | | A | B | C | | |
| | | | | | | | | - | | | | | |
| A.12.8 | 110 V Battery Charger | | | | | | | - | | | | | |
| 1 | Fuses of each type(50% of used) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Indicating Lamp (50% of used) | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 3 | One of each type of Switch, Timer and other special devices | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 4 | Ammeter | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 5 | Voltmeter | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| | | | | | | | | - | | | | | |
| A.12.9 | For 11 kV Circuit Breakers | | | | | | | - | | | | | |
| 1 | Complete set of replacable vacuum chambers | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Set of Tripping, closing and auxilliary coils | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 3 | Over current/Earth fault relay | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 4 | 12 kV Current Transformer | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 6 | 12 kV Potential Transformer | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 7 | Spring Charge Motor | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 8 | VCB Breaker Trolley | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |

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|------------|---|-------------------|------|-------------------------------|----------|------|----------------|--|---------------------|---------------|---------------------------|--|------------------|
| | | | | Foreign Currency | Quantity | | | Foreign Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhwaha | Local Currency | |
| | | | | | A | B | | | | | | | C |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| | | | | | A | B | C | | A | B | C | | |
| B. | 33 kV FEEDER / TAP OFF STRUCTURE | | | | | | | - | | | | | |
| B.1 | Interconnection System | | | | | | | - | | | | | |
| 1 | 36 kV, 630 A, 25 kA Outdoor Type, Vacuum Circuit Breaker with Accessories all Complete | | set | | - | - | 1.00 | 1.00 | | | | | |
| 2 | 36 kV, 630 A, 25 kA, isolator with earth switch including accessories all complete | | set | | - | - | 2.00 | 2.00 | | | | | |
| 3 | 36 kV, 400 A/300 A Load Break Switch with accessories all complete | | set | | 1.00 | 1.00 | - | 2.00 | | | | | |
| 4 | 30 kV, 10 kA, lightning arrestor with accessories all complete | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 5 | Three Core Current Transformer for 33 kV with accessories all complete as specified | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 6 | Two Core Potential Transformer for 33 kV including fuse with accessories all complete as specified | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 9 | Miscellaneous fitting accessories, ACSR Conductors and all accessories required for the tapping and bay extension work | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 8 | Marshalling Kiosk Box with Accessories all Complete for placement at tapping point | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| B.2 | Structures, insulators and busbars - For Bay | | | | | | | - | | | | | |
| 1 | 33 kV pin insulators with supporting structures all complete | | set | | 3.00 | 3.00 | - | 6.00 | | | | | |
| 2 | Gantry Column, Girder structures for 33/11 kV substation, all complete as per specifications for each sub-project | | ton | | - | - | 0.65 | 0.65 | | | | | |
| 3 | 33 kV outdoor bus bars (IPS tube, 800A) with all required insulators and complete accessories for bay extension, all complete | | set | | - | - | 1.00 | 1.00 | | | | | |
| 4 | 36W, IP 65 Outdoor light for installation at Tap off Point/Switchyard/LILO point | | set | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| B.3 | Spare Parts | | | | | | | - | | | | | |

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|------|---|-------------------|------|-------------------------------|---------------------|---------------|----------------|--|---------------------|---------------|---------------------------|--|----------------|
| | | | | Foreign Currency | Ghorahi Makaundanda | Ghorahi Hapur | | Lamahi Gadhawa | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | Foreign Currency | Local Currency |
| | | | | | 6 | | | 8 | | | | | |
| | | | | A | B | C | 7 = Σ6 | A | B | C | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) | |
| | Load Break Switch | | | | | | - | | | | | | |
| 1 | Complete Set of Load Break Switch used with Storage Compartment | | set | | 1.00 | 1.00 | - | 2.00 | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



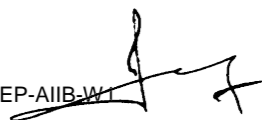

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|--------------|---|-------------------|------|--|------------------------|---------------|-------------------|----------------|---|---------------|-------------------|--|--|
| | | | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | |
| | | | | | A | B | C | | A | B | C | | |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| C. | 33 kV Line | | | | | | | - | | | | | |
| C.1 | Conductors | | | | | | | - | | | | | |
| 1 | Overhead ACSR WOLF Conductor, 150 sq mm. with 5% Sag | | kms. | | - | - | - | - | | | | | |
| 2 | Overhead ACSR DOG Conductor, 100 sq mm. with 5% Sag | | kms. | | 8.33 | 23.79 | 50.36 | 82.48 | | | | | |
| 3 | ADSS Cable with 5% sag, approach cable and support structure (Clamp, nut bolts, shackle insulators all) including optical fibre termination & splicing all complete as per specifications for SCADA of Tapping Point to Substation and facility for data transfer to other substation in future | | kms. | | 2.78 | 7.93 | 8.39 | 19.10 | | | | | |
| 4 | Mid-Span Joining Sleeve (Covered Conductor. rated min 500A) | | nos. | | 6.00 | 16.00 | 17.00 | 39.00 | | | | | |
| | | | | | | | | - | | | | | |
| C.2 | Poles and accessories | | | | | | | - | | | | | |
| C.2.1 | Single Circuit Structure and Accessories | | | | | | | - | | | | | |
| 1 | 11 M Steel Tubular Pole | | nos. | | 62.00 | 159.00 | - | 221.00 | | | | | |
| 2 | Back Strap | | nos. | | 168.00 | 348.00 | - | 516.00 | | | | | |
| 3 | Bolts with suitable nuts and washers (M16 x 100 mm) | | nos. | | 348.00 | 858.00 | - | 1,206.00 | | | | | |
| 4 | Bolts with suitable nuts and washers (M16 x 235 mm) | | nos. | | 32.00 | 84.00 | - | 116.00 | | | | | |
| 5 | Bolts with suitable nuts and washers (M16 x 50 mm) | | nos. | | 96.00 | 290.00 | - | 386.00 | | | | | |
| 6 | Disc Type Insulator, set of three for 33 kV | | nos. | | 168.00 | 348.00 | - | 516.00 | | | | | |
| 7 | Flat Crossarm Brace 33 kV (50 x 6 x 666 mm) | | nos. | | 64.00 | 206.00 | - | 270.00 | | | | | |
| 8 | Insulator Pin for Pin Insulator of 33 kV | | nos. | | 141.00 | 393.00 | - | 534.00 | | | | | |
| 9 | PG Clamp for ACSR DOG/WOLF | | nos. | | 84.00 | 174.00 | - | 258.00 | | | | | |
| 10 | Pin Type Insulator for 33 kV | | nos. | | 141.00 | 393.00 | - | 534.00 | | | | | |
| 11 | Pole Clamp with Nut, bolt and washers (TC1), Clamp Section as per drawings and design | | nos. | | 110.00 | 223.00 | - | 333.00 | | | | | |

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| | | | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | |
| | | | | | A | B | C | | A | B | C | | |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| 12 | Pole Clamp with Nut, bolt and washers (TC2), Clamp Section as per drawings and design | | nos. | | 64.00 | 206.00 | - | 270.00 | | | | | |
| 13 | Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5), Clamp Section as per drawings and design | | nos. | | 24.00 | 32.00 | - | 56.00 | | | | | |
| 14 | Pole Clamp with Nut, bolt and washers, Top Bracing (TC4), Clamp Section as per drawings and design | | set | | 24.00 | 32.00 | - | 56.00 | | | | | |
| 15 | Preformed Pin Ties, Top Ties | | set | | 141.00 | 393.00 | - | 534.00 | | | | | |
| 16 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm) | | nos. | | 16.00 | 42.00 | - | 58.00 | | | | | |
| 17 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm) | | set | | 16.00 | 61.00 | - | 77.00 | | | | | |
| 8 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm) | | nos. | | 12.00 | 16.00 | - | 28.00 | | | | | |
| 9 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm) | | nos. | | 24.00 | 32.00 | - | 56.00 | | | | | |
| 10 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm) | | nos. | | 15.00 | 28.00 | - | 43.00 | | | | | |
| 11 | Strap for Insulator String for 33 kV (100 x 5 x 350 mm) | | nos. | | 36.00 | 48.00 | - | 84.00 | | | | | |
| 12 | Tension Set with Ball and Socket Eye | | nos. | | 168.00 | 348.00 | - | 516.00 | | | | | |
| C.2 | Double Circuit Structure and Accessories | | | | | | | - | | | | | |
| 21 | 13 m Steel Tubular Pole | | nos. | | - | - | 168.00 | 168.00 | | | | | |
| 8 | Back Strap | | nos. | | - | - | 1,704.00 | 1,704.00 | | | | | |
| 9 | Bolts with suitable nuts and washers (M16 x 100 mm) | | nos. | | - | - | 1,912.00 | 1,912.00 | | | | | |
| 10 | Bolts with suitable nuts and washers (M16 x 235 mm) | | nos. | | - | - | 696.00 | 696.00 | | | | | |
| 11 | Bolts with suitable nuts and washers (M16 x 50 mm) | | nos. | | - | - | 1,044.00 | 1,044.00 | | | | | |
| 12 | Disc Type Insulator, set of three for 33 kV | | nos. | | - | - | 1,704.00 | 1,704.00 | | | | | |
| 13 | Flat Crossarm Brace 33 kV (50 x 6 x 666 mm) | | nos. | | - | - | 696.00 | 696.00 | | | | | |
| 14 | Insulator Pin for Pin Insulator of 33 kV | | set | | - | - | 852.00 | 852.00 | | | | | |
| 15 | PG Clamp for ACSR DOG/WOLF | | set | | - | - | 852.00 | 852.00 | | | | | |

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| | | | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | |
| | | | | | A | B | C | | A | B | C | | |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| 16 | Pin Type Insulator for 33 kV | | nos. | | - | - | 852.00 | 852.00 | | | | | |
| 17 | Pole Clamp with Nut, bolt and washers (TC1), Clamp Section as per drawings and design | | set | | - | - | 504.00 | 504.00 | | | | | |
| 22 | Pole Clamp with Nut, bolt and washers (TC2), Clamp Section as per drawings and design | | nos. | | - | - | 348.00 | 348.00 | | | | | |
| 23 | Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5), Clamp Section as per drawings and design | | nos. | | - | - | 52.00 | 52.00 | | | | | |
| 24 | Pole Clamp with Nut, bolt and washers, Top Bracing (TC4), Clamp Section as per drawings and design | | nos. | | - | - | 52.00 | 52.00 | | | | | |
| 25 | Preformed Pin Ties, Top Ties | | nos. | | - | - | 852.00 | 852.00 | | | | | |
| 26 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm) | | nos. | | - | - | 26.00 | 26.00 | | | | | |
| 27 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm) | | nos. | | - | - | 26.00 | 26.00 | | | | | |
| 27 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm) | | nos. | | - | - | 852.00 | 852.00 | | | | | |
| 28 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm) | | nos. | | - | - | - | - | | | | | |
| 29 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm) | | nos. | | - | - | 52.00 | 52.00 | | | | | |
| 30 | Strap for Insulator String for 33 kV (100 x 5 x 350 mm) | | nos. | | - | - | 156.00 | 156.00 | | | | | |
| 31 | Tension Set with Ball and Socket Eye | | nos. | | - | - | 1,704.00 | 1,704.00 | | | | | |
| C.2 | Stay Set | | | | | | | - | | | | | |
| 1 | Pole Clamp with Nut, bolt and washers (TC3) use for 11 m Steel Tubular Pole as per drawings and design | | nos. | | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |
| 1 | Pole Clamp with Nut, bolt and washers (TC3) use for 13 m or 14.5 m Steel Tubular Pole as per drawings and design | | nos. | | - | - | - | - | | | | | |
| 2 | Bolts with suitable nuts and washers (M16 x 50 mm) | | nos. | | 70.00 | 112.00 | 108.00 | 290.00 | | | | | |
| 3 | Bolts with suitable nuts and washers (M16 x 100 mm) | | nos. | | 70.00 | 112.00 | 108.00 | 290.00 | | | | | |

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|------|--|-------------------|------|-------------------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|---------------------------|--|
| | | | | Foreign Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | Foreign Currency | Local Currency |
| | | | | 5 | 6 | | | | 7 = $\Sigma 6$ | 8 | | | 9 = 5 x 7 |
| | | | | A | B | C | | A | B | C | | | |
| 4 | Stay Wire, (7/10 SWG minimum) | | kg | | 350.00 | 560.00 | 540.00 | 1,450.00 | | | | | |
| 5 | Stay/Guy Insulator | | nos. | | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |
| 6 | Stay Turn Buckle including Thimble, (18 SWG minimum) | | nos. | | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |
| 7 | Stay I bolt, (12 inch minimum) | | 0 | | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |
| 8 | Stay I Rod/Anchor Rod, (minimum 1600 mm) | | nos. | | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |
| 9 | Bow set with Thimble | | nos. | | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |
| 10 | Stay Grip | | nos. | | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |

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|-------------------------------|--|-------------------|------|--|---------------------|---------------|----------------|----------------|--|---------------|----------------|--|---|
| | | | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | |
| | | | | | A | B | C | | A | B | C | | |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) |
| 11 | Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum) | | nos. | | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |
| C.3 Special Components | | | | | | | | | | | | | |
| 1 | 14.5 m Steel Tubular Pole | | nos. | | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Special 33 kV gantry type tower for river/road/valley crossings(approx span 350 m), all complete including body extensions of 9m, tower earthing material, tower accessories -Anti Climbing Device, Bird Guards, Plates (Danger, Number, Phase, Circuit) | | ton | | - | - | 5.40 | 5.40 | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



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

| Item | Description | Country of Origin | Unit | Unit Rate, CIP (Nepal Border) | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total, CIP (Nepal Border) | Total, Domestic Transportation and Insurance | | | |
|-----------|---|-------------------|------|-------------------------------|---------------------|---------------|----------------|--|---------------------|---------------|---------------------------|--|------------------|------------------|----------------|
| | | | | Foreign Currency | Ghorahi Makaundanda | Ghorahi Hapur | | Lamahi Gadhawa | Ghorahi Makaundanda | Ghorahi Hapur | | | Lamahi Gadhawa | Foreign Currency | Local Currency |
| | | | | | A | B | | C | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | | | 7 = Σ6 | 8 | | | 9 = 5 x 7 | 10 = Σ(π(8 x 6)) | | |
| D. | Under Ground Cable | | | | | | - | | | | | | | | |
| 1 | 33kV Underground Power Cable (Al conductor, XLPE insulated, 400 sq.mm., Single core, armoured) | | kms | | - | - | 16.04 | 16.04 | | | | | | | |
| 2 | 48 Core ADSS Cable for Underground Installation along the length of UGC | | kms | | - | - | 2.43 | 2.43 | | | | | | | |
| 3 | 36kV Straight Through Joints (single - core 3 nos. per set) including all accessories complete | | set | | - | - | 5.00 | 5.00 | | | | | | | |
| 4 | 33kV Cable Termination Kit Outdoor Type (single - core 3 nos. per set) including all accessories complete | | set | | - | - | 2.00 | 2.00 | | | | | | | |
| 5 | Flexible Pipe (225mm dia) for laying Single Core UG Cable, ADSS Cable including all accessories complete | | kms | | - | - | 2.43 | 2.43 | | | | | | | |
| 6 | HDPE Pipe (225mm dia, 6kg) for laying Single Core UG Cable, ADSS Cable at road crossings including all accessories complete | | kms | | - | - | 2.43 | 2.43 | | | | | | | |
| 7 | Sheath Voltage Limiter including all accessories complete (3 Nos. per set) | | set | | - | - | 2.00 | 2.00 | | | | | | | |
| 8 | 33kV Power Fuse (Drop Out Type) including all accessories complete | | set | | - | - | 2.00 | 2.00 | | | | | | | |
| 9 | 30 kV, 10 kA Pole Mounted Lightning Arrester including all accessories complete | | set | | - | - | 2.00 | 2.00 | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



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Distribution and Consumer Services Directorate
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Schedule of Rates and Prices

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

| Schedule No. | Title | Total Price | |
|--|---|------------------|----------------|
| | | Foreign Currency | Local Currency |
| A. | SUBSTATION | | |
| B. | 33 kV FEEDER / TAP OFF STRUCTURE | | |
| C. | 33 kV LINE | | |
| D. | UNDERGROUND CABLE | | |
| Grand Total to be carried forward to Schedule 5 | | | |

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)

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|------------|---|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| A. | SUBSTATION | | | | | | | | | | | | |
| A.1 | Power Transformers | | | | | | | | | | | | |
| 1 | 33/11 kV 12/16 MVA copper wound power transformer, CRGO core (with OLTC and RTCC Panel) complete with all accessories | set | - | - | - | | | | | | | | |
| 2 | 33/11 kV 6/8 MVA copper wound power transformer, CRGO core (with OLTC and RTCC Panel) complete with all accessories | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 3 | 33/11 kV 3 MVA copper wound power transformer, CRGO core | set | - | - | - | | | | | | | | |
| 4 | 33/11 kV 1 MVA copper wound power transformer, CRGO core | set | - | - | - | | | | | | | | |
| A.2 | 36 kV System | | | | | | | | | | | | |
| 1 | 36 kV, 630 A, 25 kA Outdoor Type, Vacuum Circuit Breaker with Accessories all Complete | set | 2.00 | 2.00 | 3.00 | | | | | | | | |
| 2 | 36 kV, 630 A, 25 kA, isolator with earth switch including accessories all complete | set | 4.00 | 4.00 | 6.00 | | | | | | | | |
| 3 | 36 kV, 40 A, Load Break Switch with accessories all complete | set | - | - | - | | | | | | | | |
| 4 | 36 kV, 4 A, Load Break Switch with accessories all complete | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 5 | Two Core Potential Transformer for 33 kV including fuse with accessories all complete as specified | set | 2.00 | 2.00 | 3.00 | | | | | | | | |
| 6 | Three Core Current Transformer for 33 kV with accessories all complete as specified | set | 2.00 | 2.00 | 3.00 | | | | | | | | |
| 7 | Two Core Bushing CT for 33/11 kV Power Transformer with accessories all complete as specified. | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 8 | Two Core CT for neutral side of 33/11 kV Power Transformer with accessories all complete as specified. | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 9 | 30 kV, 10 kA, lightning arrestor with accessories all complete | set | 3.00 | 3.00 | 4.00 | | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



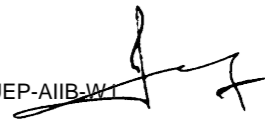
Nepal Electricity Authority
Distribution and Consumer Services Directorate
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Schedule of Rates and Prices

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

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|------------|---|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| 10 | 33kV Outdoor Busbar (IPS tube, 800A) with required insulators and accessories complete | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 11 | 33/11 kV Transformer Control and Protection Panel complete with all accessories as per specification | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 12 | 33 kV Protection Control and Relay Panel complete with all accessories as per specification for Line Bays | set | | 1.00 | 1.00 | 2.00 | | | | | | | |
| 13 | Marshalling Kiosk Box with Accessories all Complete | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.3 | 12 kV System | | | | | | | | | | | | |
| 1 | 12 kV Indoor VCB, with Control and Relay Panel and CT / PT with accessories all complete as specified | set | | 5.00 | 5.00 | 5.00 | | | | | | | |
| 2 | 12 kV, 25 kA, Indoor Earth Switch with accessories all complete as specified | set | | 4.00 | 4.00 | 4.00 | | | | | | | |
| 3 | 9 kV, 10 kA, lightning arrestor with accessories all complete | set | | 5.00 | 5.00 | 5.00 | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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Distribution and Consumer Services Directorate
Distribution System Upgrade and Expansion Project
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Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|----------------------------------|---|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| A.4 Station Supply System | | | | | | | | | | | | | |
| 1 | 33/0.4 kV 100 kVA station transformer | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | AC Distribution System Including Accessories all Complete as per specifications(1 set includes complete lot for substation including all buildings and constructions with necessary earthing works inside the substation) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 3 | Portable Diesel Generator, 10 kVA, 400 V including grid interconnection setup, relay, control units and associated panels, as per specifications | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.5 DC System | | | | | | | | | | | | | |
| 1 | 250 Ah, 110 V maintenance free batteries including complete accessories | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | Battery Charging unit (110 V) with accessories all complete | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 3 | DC Distribution System including accessories all complete as per specifications(1 set includes complete lot for substation) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.6 Cables | | | | | | | | | | | | | |
| 1 | 11 kV XLPE Cable 3 Core 300 sq mm (Armoured) | m | | 25.00 | 25.00 | 25.00 | | | | | | | |
| 2 | 11 kV XLPE Cable 3 Core 185 sq mm (Armoured) | m | | 140.00 | 140.00 | 140.00 | | | | | | | |
| 3 | 11 kV XLPE Cable 3 Core 120 sq mm (Armoured) | m | | - | - | - | | | | | | | |
| 4 | 11 kV 3-core heat shrinkable Indoor Cable termination kit 185/300/120 sq mm | set | | 5.00 | 5.00 | 5.00 | | | | | | | |
| 5 | 11 kV 3-core heat shrinkable outdoor Cable termination kit 185/120 sq mm | set | | 5.00 | 5.00 | 5.00 | | | | | | | |
| 6 | Control cables including accessories complete (1 set includes source bay and destination bay together)(1 set includes complete lot for substation) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



Procurement of Plant

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

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

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|--|---|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| 7 | 1.1 kV power and lighting cable, including DC circuitry for all works in the switchyard, outdoor lighting, beauty lighting all complete (1 set includes complete lot for substation) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.7 Automation and Control System - SCADA | | | | | | | | | | | | | |
| 1 | SCADA/ Automation Integration, Numerical relay cum Bay controller with other indicative/measuring instruments. SCADA system shall communicate with C & R panels, Bay Control Units of 33 kV Feeder, 11kV switchgear panel, battery charger, ACDB etc along with necessary hardware & Software & fibre optic cable etc. all complete with necessary accessories adhering to the Technical Specifications and requirement for the substation.(1 set includes complete lot for substation) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | Desktop, i9, 10th generation or equivalent with 512 GB SSD and 1 GB HDD, 24 " two screen, | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 3 | Laptop, with same configuration as desktop and 15 " screen | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.8 Grounding System | | | | | | | | | | | | | |
| 1 | Switchyard Lightning Protection System, Earthing arrangement, Including protection for Control building and other structures inside the substation area as essential in the substation all complete(1 set includes complete lot for substation) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | Lightning Mast | ton | | 0.07 | 0.07 | 0.07 | | | | | | | |
| A.9 Illumination System | | | | | | | | | | | | | |

Name of Tenderer _____

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Distribution and Consumer Services Directorate
Distribution System Upgrade and Expansion Project
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Schedule No. 2: Plant and Mandatory Spare Parts Supplied from Within the Employer's Country (Excluding VAT applicable in Employer's Country)

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|---|--|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| 1 | Switchyard and Substation yard lighting with 36 W, IP 65 LED with at least 20 lux elsewhere and 200 lux at switchyard, as per site conditions all complete(1 set includes complete lot for substation) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.10 Outdoor Gantry and Support Structures | | | | | | | | | | | | | |
| 1 | Gantry Column, Girder structures, Support Structures for 33/11 kV substation, all complete as per specifications for each sub-project | ton | | 3.71 | 3.71 | 6.12 | | | | | | | |
| 2 | Chequered Plate for Cable Trench in Control Building with accessories all complete as for specifications | ton | | 0.20 | 0.20 | 0.32 | | | | | | | |
| A.11 11 kV Overhead Line Feeder Components | | | | | | | | | | | | | |
| 1 | 9 kV, 10 kA, Pole Mounted lighting arrestor with accessories all complete | set | | 4.00 | 4.00 | 4.00 | | | | | | | |
| 2 | Pole Mounted Isolator, for 11 kV with accessories all complete | set | | 4.00 | 4.00 | 4.00 | | | | | | | |
| A.12 SPARE PARTS | | | | | | | | | | | | | |
| A.12.1 For Transformers | | | | | | | | | | | | | |
| 1 | 33 kV and 11 kV Bushing(one of each type) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | Dial type Thermometers | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 3 | Oil Level Gauges | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 4 | Insulating Oil (10% of total supply) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 5 | Indicating Lamps (25% of used) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 6 | All types of Fuses (25% of used) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 7 | Complete set of Gaskets of each type | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 8 | Complete set of Pressure Relief Devices | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 9 | All type of Auxiliary, Relays, Contactors and Timers for control, protection and cooling circuit(one of each type) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |

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)

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|------|-----------------------------------|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| 10 | OLTC Motor Contactor | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 11 | Complete set of Buchholz relay | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 12 | OLTC motor | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 13 | Motors for mechanism of each type | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| | | | | | | | | | | | | | |

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| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|---------------|--|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| A.12.2 | For 33 kV Circuit Breaker | | | | | | | | | | | | |
| 1 | Tripping Coils | set | | 2.00 | 2.00 | 3.00 | | | | | | | |
| 2 | Closing Coils | set | | 2.00 | 2.00 | 3.00 | | | | | | | |
| 3 | Relays and Contactors (One of each type) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 4 | Motors for Mechanism | set | | 2.00 | 2.00 | 3.00 | | | | | | | |
| 5 | Interrupter for VCB | set | | 2.00 | 2.00 | 3.00 | | | | | | | |
| A.12.3 | For 33 kV Disconnecting Switch | | | | | | | | | | | | |
| 1 | Porcelain insulator | set | | 4.00 | 4.00 | 6.00 | | | | | | | |
| 2 | Main contact assemblies including grounding blades | set | | 4.00 | 4.00 | 6.00 | | | | | | | |
| 3 | Auxilliary contacts | set | | 4.00 | 4.00 | 6.00 | | | | | | | |
| 4 | Interlocking Coil | set | | 4.00 | 4.00 | 6.00 | | | | | | | |
| A.12.4 | For 33 kV Instrument Transformers | | | | | | | | | | | | |
| 1 | Two Core Potential Transformer for 33 kV including fuse with accessories all complete as specified (1 Set = 3 Phase) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | Three Core Current Transformer for 33 kV with accessories all complete as specified (1 Set = 3 Phase) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.12.5 | Lightning Arrestor | | | | | | | | | | | | |
| 1 | 30 kV Lightning Arrestor (1 Set = 3 Phase) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | 9 kV Lightning Arrestor (1 Set = 3 Phase) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.12.6 | For 33 kV Control & Relay panel | | | | | | | | | | | | |
| 1 | Indicating Lamps (50% of used) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | Fuses of each type(50% of used) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 3 | Color Caps of each color for indicating lamps (30% of used) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 4 | One of each type of Switch, Timer and other special devices | set | | 1.00 | 1.00 | 1.00 | | | | | | | |

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|--|---|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| 5 | 3 Phase Over Current Relays with Earthfault Inbuilt | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 6 | 3 Phase Transformer Differential Relays | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 7 | Each type of Auxiliary Relay | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 8 | Ammeter | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 9 | Voltmeter | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.12.7 Communication/SCADA | | | | | | | | | | | | | |
| 1 | Input Output Cards/Attribute Cards, (50% of used) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.12.8 110 V Battery Charger | | | | | | | | | | | | | |
| 1 | Fuses of each type(50% of used) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | Indicating Lamp (50% of used) | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 3 | One of each type of Switch, Timer and other special devices | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 4 | Ammeter | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 5 | Voltmeter | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| A.12.9 For 11 kV Circuit Breakers | | | | | | | | | | | | | |
| 1 | Complete set of replacable vacuum chambers | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 2 | Set of Tripping, closing and auxilliary coils | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 3 | Over current/Earth fault relay | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 4 | 12 kV Current Transformer | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 6 | 12 kV Potential Transformer | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 7 | Spring Charge Motor | set | | 1.00 | 1.00 | 1.00 | | | | | | | |
| 8 | VCB Breaker Trolley | set | | 1.00 | 1.00 | 1.00 | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|------------|---|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = Σ5 | 7 | | | 8 = 4 x 6 | 9 = Σ(π(5 x 7)) | 10 = 8 + 9 |
| | | | | A | B | C | | A | B | C | | | |
| B. | 33 kV FEEDER / TAP OFF STRUCTURE | | | | | | | | | | | | |
| B.1 | Interconnection System | | | | | | | | | | | | |
| 1 | 36 kV, 630 A, 25 kA Outdoor Type, Vacuum Circuit Breaker with Accessories all Complete | set | - | - | 1.00 | | | | | | | | |
| 2 | 36 kV, 630 A, 25 kA, isolator with earth switch including accessories all complete | set | - | - | 2.00 | | | | | | | | |
| 3 | 36 kV, 400 A/300 A Load Break Switch with accessories all complete | set | 1.00 | 1.00 | - | | | | | | | | |
| 4 | 30 kV, 10 kA, lighting arrestor with accessories all complete | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 5 | Three Core Current Transformer for 33 kV with accessories all complete as specified | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 6 | Two Core Potential Transformer for 33 kV including fuse with accessories all complete as specified | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 9 | Miscellaneous fitting accessories, ACSR Conductors and all accessories required for the tapping and bay extension work | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 8 | Marshalling Kiosk Box with Accessories all Complete for placement at tapping point | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| B.2 | Structures, insulators and busbars - For Bay | | | | | | | | | | | | |
| 1 | 33 kV pin insulators with supporting structures all complete | set | 3.00 | 3.00 | - | | | | | | | | |
| 2 | Gantry Column, Girder structures for 33/11 kV substation, all complete as per specifications for each sub-project | ton | - | - | 0.65 | | | | | | | | |
| 3 | 33 kV outdoor bus bars (IPS tube, 800A) with all required insulators and complete accessories for bay extension, all complete | set | - | - | 1.00 | | | | | | | | |
| 4 | 36W, IP 65 Outdoor light for installation at Tap off Point/Switchyard/LILO point | set | 1.00 | 1.00 | 1.00 | | | | | | | | |
| B.3 | Spare Parts | | | | | | | | | | | | |
| 1 | Complete Set of Load Break Switch used with Storage Compartment | set | 1.00 | 1.00 | - | | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



Procurement of Plant

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

Single-Stage: Two-Envelope

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

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

| Item | Description | Unit | Unit Rate, EXWorks Local Currency | Quantity | | | Total Quantity 6 = Σ5 | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price Local Currency | Total, Domestic Transportation and Insurance Local Currency | Total Price Local Currency |
|---|---|------|--------------------------------------|---------------------|---------------|----------------|--------------------------|--|---------------|----------------|-----------------------------------|--|-------------------------------|
| | | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| | | | | A | B | C | | A | B | C | | | |
| C. 33 kV Line | | | | | | | | | | | | | |
| C.1 Conductors | | | | | | | | | | | | | |
| 1 | Overhead ACSR WOLF Conductor, 150 sq mm. with 5% Sag | kms. | - | - | - | - | | | | | | | |
| 2 | Overhead ACSR DOG Conductor, 100 sq mm. with 5% Sag | kms. | 8.33 | 23.79 | 50.36 | | | | | | | | |
| 3 | ADSS Cable with 5% sag, approach cable and support structure (Clamp, nut bolts, shackle insulators all) including optical fibre termination & splicing all complete as per specifications for SCADA of Tapping Point to Substation and facility for data transfer to other substation in future | kms. | 2.78 | 7.93 | 8.39 | | | | | | | | |
| 4 | Mid-Span Joining Sleeve (Covered Conductor. rated min 500A) | nos. | 6.00 | 16.00 | 17.00 | | | | | | | | |
| C.2 Poles and accessories | | | | | | | | | | | | | |
| C.2.1 Single Circuit Structure and Accessories | | | | | | | | | | | | | |
| 1 | 11 M Steel Tubular Pole | nos. | 62.00 | 159.00 | - | | | | | | | | |
| 2 | Back Strap | nos. | 168.00 | 348.00 | - | | | | | | | | |
| 3 | Bolts with suitable nuts and washers (M16 x 100 mm) | nos. | 348.00 | 858.00 | - | | | | | | | | |
| 4 | Bolts with suitable nuts and washers (M16 x 235 mm) | nos. | 32.00 | 84.00 | - | | | | | | | | |
| 5 | Bolts with suitable nuts and washers (M16 x 50 mm) | nos. | 96.00 | 290.00 | - | | | | | | | | |
| 6 | Disc Type Insulator, set of three for 33 kV | nos. | 168.00 | 348.00 | - | | | | | | | | |
| 7 | Flat Crossarm Brace 33 kV (50 x 6 x 666 mm) | nos. | 64.00 | 206.00 | - | | | | | | | | |
| 8 | Insulator Pin for Pin Insulator of 33 kV | nos. | 141.00 | 393.00 | - | | | | | | | | |
| 9 | PG Clamp for ACSR DOG/WOLF | nos. | 84.00 | 174.00 | - | | | | | | | | |
| 10 | Pin Type Insulator for 33 kV | nos. | 141.00 | 393.00 | - | | | | | | | | |
| 11 | Pole Clamp with Nut, bolt and washers (TC1), Clamp Section as per drawings and design | nos. | 110.00 | 223.00 | - | | | | | | | | |
| 12 | Pole Clamp with Nut, bolt and washers (TC2), Clamp Section as per drawings and design | nos. | 64.00 | 206.00 | - | | | | | | | | |
| 13 | Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5), Clamp Section as per drawings and design | nos. | 24.00 | 32.00 | - | | | | | | | | |
| 14 | Pole Clamp with Nut, bolt and washers, Top Bracing (TC4), Clamp Section as per drawings and design | set | 24.00 | 32.00 | - | | | | | | | | |
| 15 | Preformed Pin Ties, Top Ties | set | 141.00 | 393.00 | - | | | | | | | | |
| 16 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1800 mm) | nos. | 16.00 | 42.00 | - | | | | | | | | |
| 17 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1900 mm) | set | 16.00 | 61.00 | - | | | | | | | | |
| 18 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2416 mm) | nos. | 12.00 | 16.00 | - | | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____



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

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

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price | | | | |
|------------|--|------|-----------------------|----------------|---------------------|---------------|----------------|--|---------------------|---------------|-----------------|--|-------------|----------------|----------------|----------------|----------------|
| | | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | | Lamahi Gadhawa | Ghorahi Makaundanda | Ghorahi Hapur | | | | Lamahi Gadhawa | Local Currency | Local Currency | Local Currency |
| | | | | | | | | | | | | | | | | | |
| 9 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2919 mm) | nos. | | 24.00 | 32.00 | - | | | | | | | | | | | |
| 10 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 3300 mm) | nos. | | 15.00 | 28.00 | - | | | | | | | | | | | |
| 11 | Strap for Insulator String for 33 kV (100 x 5 x 350 mm) | nos. | | 36.00 | 48.00 | - | | | | | | | | | | | |
| 12 | Tension Set with Ball and Socket Eye | nos. | | 168.00 | 348.00 | - | | | | | | | | | | | |
| C.2 | Double Circuit Structure and Accessories | | | | | | | | | | | | | | | | |
| 21 | 13 m Steel Tubular Pole | nos. | | - | - | 168.00 | | | | | | | | | | | |
| 8 | Back Strap | nos. | | - | - | 1,704.00 | | | | | | | | | | | |
| 9 | Bolts with suitable nuts and washers (M16 x 100 mm) | nos. | | - | - | 1,912.00 | | | | | | | | | | | |
| 10 | Bolts with suitable nuts and washers (M16 x 235 mm) | nos. | | - | - | 696.00 | | | | | | | | | | | |
| 11 | Bolts with suitable nuts and washers (M16 x 50 mm) | nos. | | - | - | 1,044.00 | | | | | | | | | | | |
| 12 | Disc Type Insulator, set of three for 33 kV | nos. | | - | - | 1,704.00 | | | | | | | | | | | |
| 13 | Flat Crossarm Brace 33 kV (50 x 6 x 666 mm) | nos. | | - | - | 696.00 | | | | | | | | | | | |
| 14 | Insulator Pin for Pin Insulator of 33 kV | set | | - | - | 852.00 | | | | | | | | | | | |
| 15 | PG Clamp for ACSR DOG/WOLF | set | | - | - | 852.00 | | | | | | | | | | | |
| 16 | Pin Type Insulator for 33 kV | nos. | | - | - | 852.00 | | | | | | | | | | | |
| 17 | Pole Clamp with Nut, bolt and washers (TC1), Clamp Section as per drawings and design | set | | - | - | 504.00 | | | | | | | | | | | |
| 22 | Pole Clamp with Nut, bolt and washers (TC2), Clamp Section as per drawings and design | nos. | | - | - | 348.00 | | | | | | | | | | | |
| 23 | Pole Clamp with Nut, bolt and washers, Bottom Bracing (TC5), Clamp Section as per drawings and design | nos. | | - | - | 52.00 | | | | | | | | | | | |
| 24 | Pole Clamp with Nut, bolt and washers, Top Bracing (TC4), Clamp Section as per drawings and design | nos. | | - | - | 52.00 | | | | | | | | | | | |
| 25 | Preformed Pin Ties, Top Ties | nos. | | - | - | 852.00 | | | | | | | | | | | |
| 26 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1600 mm) | nos. | | - | - | 26.00 | | | | | | | | | | | |
| 27 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1640 mm) | nos. | | - | - | 26.00 | | | | | | | | | | | |
| 27 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 1700 mm) | nos. | | - | - | 852.00 | | | | | | | | | | | |
| 28 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2500 mm) | nos. | | - | - | - | | | | | | | | | | | |
| 29 | Steel Crossarm Channel (100 x 50 x 7.5 x 4.7 x 2610 mm) | nos. | | - | - | 52.00 | | | | | | | | | | | |
| 30 | Strap for Insulator String for 33 kV (100 x 5 x 350 mm) | nos. | | - | - | 156.00 | | | | | | | | | | | |
| 31 | Tension Set with Ball and Socket Eye | nos. | | - | - | 1,704.00 | | | | | | | | | | | |
| C.2 | Stay Set | | | | | | | | | | | | | | | | |
| 1 | Pole Clamp with Nut, bolt and washers (TC3) use for 11 m Steel Tubular Pole as per drawings and design | nos. | | 35.00 | 56.00 | 54.00 | | | | | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Unit | Unit Rate, EXWorks Local Currency | Quantity | | | Total Quantity 6 = Σ5 | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price Local Currency | Total, Domestic Transportation and Insurance Local Currency | Total Price Local Currency |
|-------------------------------|--|------|--------------------------------------|---------------------|---------------|----------------|--------------------------|--|---------------|----------------|-----------------------------------|--|-------------------------------|
| | | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| | | | | A | B | C | | A | B | C | | | |
| 1 | Pole Clamp with Nut, bolt and washers (TC3) use for 13 m or 14.5 m Steel Tubular Pole as per drawings and design | nos. | - | - | - | - | - | - | - | - | - | - | |
| 2 | Bolts with suitable nuts and washers (M16 x 50 mm) | nos. | 70.00 | 112.00 | 108.00 | | | | | | | | |
| 3 | Bolts with suitable nuts and washers (M16 x 100 mm) | nos. | 70.00 | 112.00 | 108.00 | | | | | | | | |
| 4 | Stay Wire, (7/10 SWG minimum) | kg | 350.00 | 560.00 | 540.00 | | | | | | | | |
| 5 | Stay/Guy Insulator | nos. | 35.00 | 56.00 | 54.00 | | | | | | | | |
| 6 | Stay Turn Buckle including Thimble, (18 SWG minimum) | nos. | 35.00 | 56.00 | 54.00 | | | | | | | | |
| 7 | Stay I bolt, (12 inch minimum) | 0 | 35.00 | 56.00 | 54.00 | | | | | | | | |
| 8 | Stay I Rod/Anchor Rod, (minimum 1600 mm) | nos. | 35.00 | 56.00 | 54.00 | | | | | | | | |
| 9 | Bow set with Thimble | nos. | 35.00 | 56.00 | 54.00 | | | | | | | | |
| 10 | Stay Grip | nos. | 35.00 | 56.00 | 54.00 | | | | | | | | |
| 11 | Galvanized Steel Stay Plate for Installation Underground, (600 x 600 x 6 mm minimum) | nos. | 35.00 | 56.00 | 54.00 | | | | | | | | |
| C.3 Special Components | | | | | | | | | | | | | |
| 1 | 14.5 m Steel Tubular Pole | nos. | 1.00 | 1.00 | 1.00 | | | | | | | | |
| 2 | Special 33 kV gantry type tower for river/road/valley crossings(approx span 350 m), all complete including body extensions of 9m, tower earthing material, tower accessories -Anti Climbing Device, Bird Guards, Plates (Danger, Number, Phase, Circuit) | ton | - | - | 5.40 | | | | | | | | |

Name of Tenderer _____

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

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

| Item | Description | Unit | Unit Rate, EXWorks | Quantity | | | Total Quantity | Unit Rate, Domestic Transportation and Insurance, Local Currency | | | Total EXW Price | Total, Domestic Transportation and Insurance | Total Price |
|------------------------------|---|------|--------------------|---------------------|---------------|----------------|----------------|--|---------------|----------------|-----------------|--|-------------|
| | | | Local Currency | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | | |
| | | | | A | B | C | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | | | 6 = $\Sigma 5$ | 7 | | | 8 = 4 x 6 | 9 = $\Sigma(\pi(5 \times 7))$ | 10 = 8 + 9 |
| D. Under Ground Cable | | | | | | | | | | | | | |
| 1 | 33kV Underground Power Cable (Al conductor, XLPE insulated, 400 sq.mm., Single core, armoured) | kms | - | - | 16.04 | | | | | | | | |
| 2 | 48 Core ADSS Cable for Underground Installation along the length of UGC | kms | - | - | 2.43 | | | | | | | | |
| 3 | 36kV Straight Through Joints (single - core 3 nos. per set) including all accessories complete | set | - | - | 5.00 | | | | | | | | |
| 4 | 33kV Cable Termination Kit Outdoor Type (single - core 3 nos. per set) including all accessories complete | set | - | - | 2.00 | | | | | | | | |
| 5 | Flexible Pipe (225mm dia) for laying Single Core UG Cable, ADSS Cable including all accessories complete | kms | - | - | 2.43 | | | | | | | | |
| 6 | HDPE Pipe (225mm dia, 6kg) for laying Single Core UG Cable, ADSS Cable at road crossings including all accessories complete | kms | - | - | 2.43 | | | | | | | | |
| 7 | Sheath Voltage Limitor including all accessories complete (3 Nos. per set) | set | - | - | 2.00 | | | | | | | | |
| 8 | 33kV Power Fuse (Drop Out Type) including all accessories complete | set | - | - | 2.00 | | | | | | | | |
| 9 | 30 kV, 10 kA Pole Mounted Lightning Arrester including all accessories complete | set | - | - | 2.00 | | | | | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Schedule No. | Title | Total Price | |
|--|----------------------------------|------------------|----------------|
| | | Foreign Currency | Local Currency |
| A. | SUBSTATION | | |
| B. | 33 kV FEEDER / TAP OFF STRUCTURE | | |
| C. | 33 kV LINE | | |
| D. | UNDERGROUND CABLE | | |
| Grand Total to be carried forward to Schedule 5 | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Unit | Quantity | Unit Price | | Total Price | |
|-----------|--|------|----------|--------------------------|------------------------|--------------------------|------------------------|
| | | | | Foreign Currency Portion | Local Currency Portion | Foreign Currency Portion | Local Currency Portion |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 = 4 x 5 | 8 = 4 x 6 |
| A. | SUBSTATION | | | | | | |
| 1 | Preconstruction Survey, Hydrological Study to identify flood levels and cut/fill volume of substation, Design and Drawings of 33/11 kV substation as per the scope of the project. | LS | 3.00 | | | | |
| 2 | As Built Drawings, Testing and Commissioning of 33/11 kV Substation as per the scope of the project | LS | 3.00 | | | | |
| 3 | Preconstruction Survey, Design and Drawings of roads to be constructed within or up to the substation as per the scope of the project. | kms | 4.50 | | | | |
| 4 | As Built Drawings, Testing and Commissioning of roads to be constructed within or up to the substation as per the scope of the project. | kms | 4.50 | | | | |
| B. | 33 kV FEEDER/TAP OFF STRUCTURE | | | | | | |
| 1 | Preconstruction Survey, Design and Drawings of 33 kV bay in source substation as per the scope of the project. | LS | 1.00 | | | | |
| 2 | As Built Drawings, Testing and Commissioning of 33 kV bay in source substation as per the scope of the project. | LS | 1.00 | | | | |
| 3 | Preconstruction Survey, Design and Drawings of 33 kV tap off/LILO point as per the scope of the project. | LS | 2.00 | | | | |
| 4 | As Built Drawings, Testing and Commissioning of 33 kV tap off/LILO point in substation as per the scope of the project. | LS | 2.00 | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Unit | Quantity | Unit Price | | Total Price | |
|------|--|------|----------|--------------------------|------------------------|--------------------------|------------------------|
| | | | | Foreign Currency Portion | Local Currency Portion | Foreign Currency Portion | Local Currency Portion |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 = 4 x 5 | 8 = 4 x 6 |
| C. | 33 kV Line | | | | | | |
| 1 | Preconstruction Survey, Design and Drawings of 33 kV Line as per the scope of the project | kms | 18.13 | | | | |
| 2 | As Built Drawings, Testing and Commissioning of 33 kV Line as per the scope of the project | kms | 18.13 | | | | |
| D. | Under Ground Cable | | | | | | |
| 1 | Preconstruction Survey, Design and Drawings of 33 kV U/G Cable as per the scope of the project | kms | 2.43 | | | | |
| 2 | As Built Drawings, Testing and Commissioning of 33 kV U/G Cable as per the scope of the project | kms | 2.43 | | | | |
| 3 | Preconstruction Survey, Design and Drawings of roads to be constructed after installation of Underground Cable | kms | 1.00 | | | | |
| 4 | As Built Drawings, Commissioning of roads to be constructed after installation of Underground Cable as per the scope of the project. | kms | 1.00 | | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Schedule No. | Title | Total Price | |
|--|--|------------------|----------------|
| | | Foreign Currency | Local Currency |
| A. | SUBSTATION | | |
| A.1 | Civil Works of Switchyard Components - Concrete Foundation as per technical specifications and approved design | | |
| A.2 | Installation Testing and Commissioning Works of Electrical Components of Substation | | |
| A.3 | Landscaping Works | | |
| A.4 | Building Works | | |
| A.5 | Roads and Drainage | | |
| Sub Total A. Substation | | | |
| B. | 33 kV FEEDER / TAP OFF STRUCTURE | | |
| B.1 | Civil Works of Interconnection Components - Concrete Foundation as per technical specifications and approved design/drawings | | |
| B.2 | Installation Testing and Commissioning Works of Electrical Components of 33 kV feeder/Tap Off Structure | | |
| Sub Total B. 33 kV Feeder / Tap Off Structure | | | |
| C. | 33 kV LINE | | |
| D.1 | Installation, Testing and Commissioning Works and Civil Works | | |
| D. | UNDERGROUND CABLE | | |
| D.1 | Installation, Testing and Commissioning Works and Civil Works | | |
| E. | Environmental and Mitigation Works | | |
| E.1 | Mitigation Works | | |
| Grand Total to be carried forward to Schedule 5 | | | |

Name of Tenderer _____

Signature of Tenderer _____




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

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

| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price Local Currency |
|--------------|--|------|------------------------|---------------|-------------------|----------------|----------------------------|---------------|-------------------|-------------------------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | A | B | C | | A | B | C | |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) |
| A. | SUBSTATION | | | | | | | | | |
| A.1 | Civil Works of Switchyard and Substation Components - Concrete Foundation as per technical specifications and approved design/drawings | | | | | - | | | | |
| A.1.1 | Equipment Support Pedestals for Switchyard Components, including Gantries, Current Transformer (CT), Potential Transformer (PT), Lightning Arrestor (LA), Power Transformer, Station Transformer, Disconnecting Switches with Earth Switch, Post Insulator (PI), BUS PI, Lightning Mast (LM), etc. all complete | | | | | - | | | | |
| 1 | Earthwork Excavation by means of mechanical in all types of soil (soil/gravel/ BMS) as per drawing and technical specifications including removal of stumps and other deleterious matter, all lifts and lead as per drawing and instruction of the engineer. | cu.m | 219.51 | 219.51 | 270.49 | 709.50 | | | | |
| 2 | Providing and laying of plain cement concrete (PCC Work) M10 (manual mixed) in foundation complete as per drawing and technical specifications. | cu.m | 8.68 | 8.68 | 10.55 | 27.91 | | | | |
| 3 | Providing and laying of reinforced cement concrete (RCC Work) M15 (manual mixed) in foundation complete as per drawing and technical specifications. | cu.m | 73.58 | 73.58 | 87.91 | 235.06 | | | | |
| 4 | Providing and laying MS Reinforcement including cutting, bending, binding, fixing in position etc. all complete as per specification and drawing. | ton | 5.92 | 5.92 | 7.00 | 18.84 | | | | |
| 5 | Providing, preparing and installation of form work including necessary supports and removing after completion for structure according to drawings and hauling up to 30 m distance. | sq.m | 269.63 | 269.63 | 338.52 | 877.79 | | | | |
| 6 | Back filling in layers in foundationpits, trenches , etc, includingcompaction all complete with watering | cu.m | 137.25 | 137.25 | 172.03 | 446.53 | | | | |
| | | | | | | - | | | | |
| A.1.2 | Cable Trench | | | | | - | | | | |
| 1 | Earthwork Excavation by means of mechanical in all types of soil (soil/gravel/ BMS) as per drawing and technical specifications including removal of stumps and other deleterious matter, all lifts and lead as per drawing and instruction of the engineer. | cu.m | 48.90 | 48.90 | 48.90 | 146.70 | | | | |
| 2 | Providing and laying of plain cement concrete (PCC Work) M10 (manual mixed) in foundation complete as per drawing and technical specifications. | cu.m | 4.00 | 4.00 | 4.00 | 12.00 | | | | |
| 3 | Providing and laying of reinforced cement concrete (RCC Work) M15 (manual mixed) in foundation complete as per drawing and technical specifications. | cu.m | 15.95 | 15.95 | 15.95 | 47.85 | | | | |
| 4 | Providing and laying of reinforced cement concrete (RCC Precast Slab Work) M15 (manual mixed) in foundation complete as per drawing and technical specifications. | cu.m | 2.31 | 2.31 | 2.31 | 6.93 | | | | |
| 5 | Providing and laying MS Reinforcement including cutting, bending, binding, fixing in position etc. all complete as per specification and drawing. | ton | 1.43 | 1.43 | 1.43 | 4.28 | | | | |
| 6 | Supply and fixing of cable holding Galvanized M.S. angle bracket as per drawing | m | 41.00 | 41.00 | 41.00 | 123.00 | | | | |
| | | | | | | - | | | | |
| A.1.3 | Grounding System | | | | | - | | | | |

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

| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price Local Currency |
|--------------|---|------|------------------------|---------------|-------------------|----------------|----------------------------|---------------|-------------------|-------------------------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | 4 | | | | 5 = $\Sigma 4$ | 6 | | |
| | | | A | B | C | | A | B | C | |
| 1 | Providing and laying of plain/reinforced cement concrete M15 (manual mixed) in for Switchyard Lightning Protection System, Earthing arrangement as essential in the substation all complete | cu.m | 27.00 | 27.00 | 40.50 | 94.50 | | | | |
| | | | | | | - | | | | |
| A.1.4 | Illumination System | | | | | - | | | | |
| 1 | Concrete required for Switchyard and Substation yard lighting with 36 W, IP 65 LED with at least 20 lux elsewhere and 200 lux at switchyard, as per site conditions all complete | cu.m | 5.11 | 5.11 | 5.11 | 15.33 | | | | |
| | | | | | | - | | | | |
| A.1.5 | Miscellaneous | | | | | - | | | | |
| 1 | Surface dressing with Crushed Stone including antiweed treatment as per TS & approved design all complete | cu.m | 4.00 | 4.00 | 4.00 | 12.00 | | | | |

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|--------------|---|------|---------------------|---------------|----------------|----------------|----------------------------|---------------|----------------|-----------------|-----------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Local Currency |
| | | | A | B | C | | A | B | C | | 7 = Σ(π(4 x 6)) |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) | |
| A. | SUBSTATION | | | | | | | | | | |
| A.2 | Installation Testing and Commissioning Works of Electrical Components of Substation | | | | | - | | | | | |
| A.2.1 | Power Transformers | | | | | - | | | | | |
| 1 | 33/11 kV 12/16 MVA copper wound power transformer, CRGO core (with OLTC and RTCC Panel) complete with all accessories | set | - | - | - | - | | | | | |
| 2 | 33/11 kV 6/8 MVA copper wound power transformer, CRGO core (with OLTC and RTCC Panel) complete with all accessories | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 3 | 33/11 kV 3 MVA copper wound power transformer, CRGO core | set | - | - | - | - | | | | | |
| 4 | 33/11 kV 1 MVA copper wound power transformer, CRGO core | set | - | - | - | - | | | | | |
| | | | | | | - | | | | | |
| A.2.2 | 36 kV System | | | | | - | | | | | |
| 1 | 36 kV, 630 A, 25 kA Outdoor Type, Vacuum Circuit Breaker with Accessories all Complete | set | 2.00 | 2.00 | 3.00 | 7.00 | | | | | |
| 2 | 36 kV, 630 A, 25 kA, isolator with earth switch including accessories all complete | set | 4.00 | 4.00 | 6.00 | 14.00 | | | | | |
| 3 | 36 kV, 40 A, Load Break Switch with accessories all complete | set | - | - | - | - | | | | | |
| 4 | 36 kV, 4 A, Load Break Switch with accessories all complete | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 5 | Two Core Potential Transformer for 33 kV including fuse with accessories all complete as specified | set | 2.00 | 2.00 | 3.00 | 7.00 | | | | | |
| 6 | Three Core Current Transformer for 33 kV with accessories all complete as specified | set | 2.00 | 2.00 | 3.00 | 7.00 | | | | | |
| 7 | Two Core Bushing CT for 33/11 kV Power Transformer with accessories all complete as specified. | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 8 | Two Core CT for neutral side of 33/11 kV Power Transformer with accessories all complete as specified. | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 9 | 30 kV, 10 kA, lighting arrestor with accessories all complete | set | 3.00 | 3.00 | 4.00 | 10.00 | | | | | |
| 10 | 33kV Outdoor Busbar (IPS tube, 800A) with required insulators and accessories complete | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 11 | 33/11 kV Transformer Control and Protection Panel complete with all accessories as per specification | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 12 | 33 kV Protection Control and Relay Panel complete with all accessories as per specification for Line Bays | set | 1.00 | 1.00 | 2.00 | 4.00 | | | | | |
| 13 | Marshalling Kiosk Box with Accessories all Complete | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| | | | | | | - | | | | | |
| A.2.3 | 12 kV System | | | | | - | | | | | |
| 1 | 12 kV Indoor VCB, with Control and Relay Panel and CT / PT with accessories all complete as specified | set | 5.00 | 5.00 | 5.00 | 15.00 | | | | | |
| 2 | 12 kV, 25 kA, Indoor Earth Switch with accessories all complete as specified | set | 4.00 | 4.00 | 4.00 | 12.00 | | | | | |
| 3 | 9 kV, 10 kA, lighting arrestor with accessories all complete | set | 5.00 | 5.00 | 5.00 | 15.00 | | | | | |
| | | | | | | - | | | | | |

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| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | A | B | C | | A | B | C | |
| 1 | 2 | 3 | 4 | | | 5 = $\Sigma 4$ | 6 | | | 7 = $\Sigma(\pi(4 \times 6))$ |
| A.2.4 Station Supply System | | | | | | | | | | |
| 1 | 33/0.4 kV 100 kVA station transformer | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 2 | AC Distribution System Including Accessories all Complete as per specifications(1 set includes complete lot for substation including all buildings and constructions with necessary earthing works inside the substation) | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 3 | Portable Diesel Generator, 10 kVA, 400 V including grid interconnection setup, relay, control units and associated panels, as per specifications | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| A.2.5 DC System | | | | | | | | | | |
| 1 | 250 Ah, 110 V maintenance free batteries including complete accessories | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 2 | Battery Charging unit (110 V) with accessories all complete | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 3 | DC Distribution System including accessories all complete as per specifications(1 set includes complete lot for substation) | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| A.2.6 Cables | | | | | | | | | | |
| 1 | 11 kV XLPE Cable 3 Core 300 sq mm (Armoured) | m | 25.00 | 25.00 | 25.00 | 75.00 | | | | |
| 2 | 11 kV XLPE Cable 3 Core 185 sq mm (Armoured) | m | 140.00 | 140.00 | 140.00 | 420.00 | | | | |
| 3 | 11 kV XLPE Cable 3 Core 120 sq mm (Armoured) | m | - | - | - | - | | | | |
| 4 | 11 kV 3-core heat shrinkable Indoor Cable termination kit 185/300/120 sq mm | set | 5.00 | 5.00 | 5.00 | 15.00 | | | | |
| 5 | 11 kV 3-core heat shrinkable outdoor Cable termination kit 185/120 sq mm | set | 5.00 | 5.00 | 5.00 | 15.00 | | | | |
| 6 | Control cables including accessories complete (1 set includes source bay and destination bay together)(1 set includes complete lot for substation) | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 7 | 1.1 kV power and lighting cable, including DC circuitry for all works in the switchyard, outdoor lighting, beauty lighting all complete (1 set includes complete lot for substation) | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| A.2.7 Automation and Control System - SCADA | | | | | | | | | | |
| 1 | SCADA/ Automation Integration, Numerical relay cum Bay controller with other indicative/measuring instruments. SCADA system shall communicate with C & R panels, Bay Control Units of 33 kV Feeder, 11kV switchgear panel, battery charger, ACDB etc along with necessary hardware & Software & fibre optic cable etc. all complete with necessary accessories adhering to the Technical Specifications and requirement for the substation.(1 set includes complete lot for substation) | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 2 | Desktop, i9, 10th generation or equivalent with 512 GB SSD and 1 GB HDD, 24 " two screen, | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 3 | Laptop, with same configuration as desktop and 15 " screen | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| A.2.8 Grounding System | | | | | | | | | | |

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| | | | A | B | C | | A | B | C | |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) |
| 1 | Switchyard Lightning Protection System, Earthing arrangement, Including protection for Control building and other structures inside the substation area as essential in the substation all complete(1 set includes complete lot for substation) | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 2 | Lightning Mast | ton | 0.07 | 0.07 | 0.07 | 0.21 | | | | |
| | | | - | | | - | | | | |
| A.2.9 | Illumination System | | - | | | - | | | | |
| 1 | Switchyard and Substation yard lighting with 36 W, IP 65 LED with at least 20 lux elsewhere and 200 lux at switchyard, as per site conditions all complete(1 set includes complete lot for substation) | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| | | | - | | | - | | | | |
| A.2.10 | Outdoor Gantry and Support Structures | | - | | | - | | | | |
| 1 | Gantry Column, Girder structures, Support Structures for 33/11 kV substation, all complete as per specifications for each sub-project | ton | 3.71 | 3.71 | 6.12 | 13.55 | | | | |
| 2 | Chequered Plate for Cable Trench in Control Building with accessories all complete as for specifications | ton | 0.20 | 0.20 | 0.32 | 0.71 | | | | |
| | | | | | | - | | | | |
| A.2.11 | 11 kV Overhead Line Feeder Components | | - | | | - | | | | |
| 1 | 9 kV, 10 kA, Pole Mounted lightning arrester with accessories all complete | set | 4.00 | 4.00 | 4.00 | 12.00 | | | | |
| 2 | Pole Mounted Isolator, for 11 kV with accessories all complete | set | 4.00 | 4.00 | 4.00 | 12.00 | | | | |

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| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Local Currency |
| | | | A | B | C | | A | B | C | | 7 = $\Sigma(\pi(4 \times 6))$ |
| 1 | 2 | 3 | 4 | | | 5 = $\Sigma 4$ | 6 | | | 7 = $\Sigma(\pi(4 \times 6))$ | |
| A. SUBSTATION | | | | | | | | | | | |
| A.3 Landscaping Works | | | | | | | | | | | |
| A.3.1 Site Levelling | | | | | | | | | | | |
| 1 | Earth work in cutting including site clearing and contour survey work | cu.m | 508.00 | 680.00 | 700.00 | 1,888.00 | | | | | |
| 2 | Earth work in Filling and in filling with borrowed earth including site clearing and contour survey work | cu.m | 7,000.00 | 16,000.00 | 7,000.00 | 30,000.00 | | | | | |
| A.3.2 Boundary Wall | | | | | | | | | | | |
| 1 | Earth work in cutting & Filling and in filling with borrowed earth including site clearing and levelling | cu.m | 395.97 | 472.39 | 472.39 | 1,340.75 | | | | | |
| 2 | Earthwork in backfilling | cu.m | 79.19 | 94.48 | 94.48 | 268.15 | | | | | |
| 3 | Stone soling and finishing upto approved level, line and dimension | cu.m | 6.09 | 7.27 | 7.27 | 20.63 | | | | | |
| 4 | Supplying mixing, placing, compacting M15 plain cement concrete for foundation bases, brick wall top (copping) and stone masonry top (copping). | cu.m | 44.99 | 53.68 | 53.68 | 152.35 | | | | | |
| 5 | Providing and laying Random rubble masonry in 1:4 cement mortar including scaffolding, curing, preparation of mortar etc. complete, masoned height 0-5m, lead 30m (manual mixing) | cu.m | 712.50 | 850.00 | 850.00 | 2,412.50 | | | | | |
| 6 | Providing & laying First class chimney made brick masonry work in wall with 1:4 cement sand mortar (1 cement : 4 sand) including lead upto 30 m with curing, cleaning & racking out mortar joint and making ducts, recesses where required as per drawing | cu.m | 98.33 | 117.30 | 117.30 | 332.93 | | | | | |
| 7 | Providing, laying & curing cement sand (1:4) Plastering on external walls to perfect plumb, lines & level including raking the mortar joints and wetting the masonry surface all complete as per design drawings, specifications and instruction of the site engineer all complete: | sq.m | 855.00 | 1,020.00 | 1,020.00 | 2,895.00 | | | | | |
| 8 | Chain link fencing as per technical specification and approved drawing but excluding concrete which shall be paid separately | rm | 285.00 | 340.00 | 340.00 | 965.00 | | | | | |
| A.3.4 Main Entrance Gate | | | | | | | | | | | |
| 1 | Earthwork in Excavation of all types of soil by mechanical means as per drawing and technical specifications including removal of trees, grasses, stumps and other deleterious matter, all lifts and lead as per drawing and instruction of the engineer. | cu.m | 10.13 | 10.13 | 10.13 | 30.38 | | | | | |
| 2 | Dry flat brick soling works | cu.m | 1.01 | 1.01 | 1.01 | 3.04 | | | | | |
| 3 | Providing and laying of plain/reinforced cement concrete M15 (manual mixed) in foundation complete as per drawing and technical specifications. | cu.m | 0.51 | 0.51 | 0.51 | 1.52 | | | | | |
| 4 | Providing and laying of plain/reinforced cement concrete M25 (machine mixed) in foundation complete as per drawing and technical specifications. | cu.m | 4.79 | 4.79 | 4.79 | 14.37 | | | | | |
| 5 | Providing and laying Reinforcement including cutting, bending, binding, fixing in position etc. all complete as per specification and drawing. | ton | 0.38 | 0.38 | 0.38 | 1.13 | | | | | |
| 6 | Providing, preparing and installation of form work including necessary supports and removing after completion for structure according to drawings and hauling up to 30 m distance. | sq.m | 30.06 | 30.06 | 30.06 | 90.18 | | | | | |

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| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | A | B | C | | A | B | C | |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) |
| 7 | Providing, and installation all complete of metal gate as per TS and drawings | nos. | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| A.3.3 Switchyard Fencing | | | | | | | | | | |
| 1 | Chain link fencing as per technical specification and approved drawing but excluding concrete which shall be paid separately | rm | 63.00 | 63.00 | 94.50 | 220.50 | | | | |
| 2 | Switch yard Gate with complete finish as per specifications | Nos. | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| A.3.4 Miscellaneous Works in Switchyard | | | | | | | | | | |
| 1 | Stone spreading including antiweed treatment in switchyard but excluding PCC. | sq.m | 19.50 | 19.50 | 28.60 | 67.60 | | | | |
| 2 | Providing and laying 75mm thick Plain Cement Concrete 1:5:10 (1 cement : 5 sand : 10 Stone aggregate) | cu.m | 13.16 | 13.16 | 19.31 | 45.63 | | | | |

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| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | A | B | C | | A | B | C | |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) |
| A.4 | Building Works | | | | | | | | | |
| A.4.1 | Site Clearance works | | | | | - | | | | |
| 1 | Clearing and grubbing including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth upto 300mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned upto a lead of 30m | sqm | 429.56 | 429.56 | 633.11 | 1,492.23 | | | | |
| A.4.2 | Earthworks | | | | | - | | | | |
| 1 | Earthwork in Excavation of all types of soil by mechanical means as per drawing and technical specifications including removal of trees, grasses, stumps and other deleterious matter, all lifts and lead as per drawing and instruction of the engineer. | cum | 291.11 | 291.11 | 385.38 | 967.59 | | | | |
| 2 | Back filling in layers in foundation pits, trenches, etc, with approved soil obtained from the excavation at site and stacked at site or brought from outside in layer including compaction all complete with watering | cum | 227.39 | 227.39 | 283.96 | 738.75 | | | | |
| A.4.3 | Concrete Works | | | | | - | | | | |
| 1 | Providing and laying of plain/reinforced cement concrete M15 (machine mixed) in foundation complete as per drawing and technical specifications. | cum | 29.69 | 29.69 | 147.91 | 207.29 | | | | |
| 2 | Providing and laying of plain/reinforced cement concrete M25 (machine mixed) in foundation complete as per drawing and technical specifications. | cum | 194.02 | 194.02 | 269.45 | 657.49 | | | | |
| 3 | Providing and laying Reinforcement including cutting, bending, binding, fixing in position etc. all complete as per specification and drawing. | ton | 30.46 | 30.46 | 42.30 | 103.23 | | | | |
| 4 | Providing, preparing and installation of form work including necessary supports and removing after completion for structure according to drawings and hauling up to 30 m distance. | sqm | 972.00 | 972.00 | 1,529.83 | 3,473.82 | | | | |
| A.4.4 | Brick Works | | | | | - | | | | |
| 1 | Dry flat brick soling works | sqm | 461.74 | 461.74 | 666.62 | 1,590.10 | | | | |
| 2 | Providing & laying First class chimney made brick masonry work in Foundation with 1:6 cement sand mortar including lead upto 30 m with curing, cleaning & racking out mortar joint and making ducts, recesses where required as per drawing | cum | 72.89 | 72.89 | 109.88 | 255.66 | | | | |
| 3 | Providing & laying First class chimney made brick masonry work in Superstructure with 1:6 cement sand mortar including lead upto 30 m with curing, cleaning & racking out mortar joint and making ducts, recesses where required as per drawing | cum | 157.20 | 157.20 | 211.35 | 525.74 | | | | |
| A.4.5 | Finishing Works | | | | | - | | | | |
| 1 | 2mm thick white putty on wall and ceiling | sqm | 1,370.72 | 1,370.72 | 2,188.17 | 4,929.60 | | | | |
| 2 | Two coat plastic emulsion paint over one coat primer (Astar) on new surface | sqm | 958.50 | 958.50 | 1,560.02 | 3,477.02 | | | | |
| 3 | Two coat of weather coating over one coat primer (Astar) on new surface | sqm | 412.22 | 412.22 | 628.15 | 1,452.59 | | | | |
| 4 | Two coat readymade enamel paint over one coat primer (Astar) | sqm | 130.51 | 130.51 | 195.79 | 456.82 | | | | |
| 5 | Sal wood work for chokosh[0.1x0.075m section] | cum | 0.96 | 0.96 | 1.48 | 3.40 | | | | |

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| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | A | B | C | | A | B | C | |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) |
| 6 | Flush shutter 38mm thick sal wood frame with 3mm thick teak plywood on both side of shutter | sqm | 61.98 | 61.98 | 86.28 | 210.23 | | | | |
| 7 | Providing, fabricating & fixing Windows and ventilation of UPVC frame using UPVC section with 5mm clear float glass, U-shaped both side plastic gasket, steel hook locks and screws all accessories as per drawing all complete.((frame 60*60mm, sash 60*78mm, white colour with 5mm glass) | sqm | 45.23 | 45.23 | 85.13 | 175.58 | | | | |
| 8 | 3 x 20mm Metal Grill including manufacturing, fitting, painting with Aluminium paint, sand papering all complete | kg | 741.81 | 741.81 | 1,171.07 | 2,654.70 | | | | |
| 9 | Providing, laying, compacting and curing average 38mm mm thick screed with 1:2:4 cement sand mortar in perfect lines & level in whole flooring as per design, specification and instruction of the site engineer. | sqm | 35.75 | 35.75 | 312.70 | 384.19 | | | | |
| 10 | Provide and laying 3 mm cement punning including cleaning, watering, curing the laid surface all complete as per instruction & specification. | sqm | 214.90 | 214.90 | 491.85 | 921.64 | | | | |
| 11 | Providing Glazed Ceramic Tile of approved size and colour with 1:4 cement sand mortar. | sqm | 44.59 | 44.59 | 73.48 | 162.65 | | | | |
| 12 | Laying of 16mm thick marble over 20mm thick 1:2 cement mortar with rubbing & polish as per specifications all complete. | sqm | 3.80 | 3.80 | 6.43 | 14.02 | | | | |
| 13 | Providing and fixing non glazed ceramic tiles fixed on floors with 1 : 4 Cement Sand Mortar in exact line & level all complete as per drawing specification & instruction. | sqm | 34.06 | 34.06 | 59.17 | 127.29 | | | | |
| 14 | Providing and laying non slippery tile of size 2'x2' in terraces and similar loactions all complete as per drawing, specification and instruction. (vitrified) | sqm | - | - | 49.86 | 49.86 | | | | |
| 15 | Providing and laying acid resistant non-skid tiles on flooring and wall all complete as per drawing, specification and instruction. (vitrified) | sqm | 45.75 | 45.75 | 45.75 | 137.25 | | | | |
| 16 | Providing, laying & curing 12.5 mm thick cement sand (1:4) plastering in ceiling, beams and column surfaces including chipping & wetting the concrete surfaces finished in perfect plumb, lines and level as per drawings, specifications and instructions of the site engineer. | sqm | 52.42 | 52.42 | 281.78 | 386.61 | | | | |
| 17 | Providing, laying & curing cement sand (1:4) Plastering on internal walls to perfect plumb, lines & level icluding raking the mortar joints and wetting the masonry surface all complete as per design drawings, specifications and instrction of the site engineer all complete: | sqm | 906.08 | 906.08 | 1,278.25 | 3,090.41 | | | | |
| 18 | Providing, laying & curing cement sand (1:4) Plastering on external walls to perfect plumb, lines & level icluding raking the mortar joints and wetting the masonry surface all complete as per design drawings, specifications and instrction of the site engineer all complete: | sqm | 412.22 | 412.22 | 628.15 | 1,452.59 | | | | |
| 19 | Providing and application of two coats of water-proofing coating (TAPELASTIC) on the RCC Terrace, share wall,Slope Roof,Sun-shade Slab etc. with ordinary hand brusch including cleaning of the surface all comple | sqm | 342.54 | 342.54 | 679.71 | 1,364.79 | | | | |
| A.4.6 | Miscellaneous Works | | | | | - | | | | |

Name of Tenderer _____

Signature of Tenderer _____



Nepal Electricity Authority
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Schedule of Rates and Prices

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

| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price Local Currency |
|------|--|------|------------------------|---------------|-------------------|----------------|----------------------------|---------------|-------------------|-------------------------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | A | B | C | | A | B | C | |
| 1 | 2 | 3 | 4 | | | 5 = $\Sigma 4$ | 6 | | | 7 = $\Sigma(\pi(4 \times 6))$ |
| | | | | | | | | | | |
| 1 | Supplying and fitting of 50 dia. Grade 204 Stainless steel hand rail in 2.0 m. distance with 50mm dia. Railing post, 25mm dia. 3 line horizontal member in the center and height 0.90 m. all complete. | rm | - | - | 6.65 | 6.65 | | | | |
| 2 | Providing and fixing of rolling shutters as per specifications all complete. | sqm | 9.30 | 9.30 | 16.73 | 35.33 | | | | |
| 3 | Fire Extinguisher (6Kg NS or IS standard) with range of jet 6 m | no | 3.00 | 3.00 | 4.00 | 10.00 | | | | |
| 4 | Euroguard 7 Liters/min (max) wall mounted with water flow rate 0.25 L/min and purification capacity upto 15L/hr | no | 2.00 | 2.00 | 3.00 | 7.00 | | | | |
| 5 | Antitermite treatment in foundation as per specifications all complete | sqm | 194.40 | 194.40 | 269.25 | 658.05 | | | | |
| 6 | Plumbing, sanitation and related works including water faucets, valves, pipe, fittings, RCC underground tank, PVC 1000 Litre Overhead Tank, Pumps, and all applicable fittings all complete | LS | 1.00 | 1.00 | 1.00 | 3.00 | | | | |

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

| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price | |
|-------------------------------|--|------|---------------------|---------------|----------------|----------------|----------------------------|---------------|----------------|-------------------------------|-------------------------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Local Currency |
| | | | A | B | C | | A | B | C | | 7 = $\Sigma(\pi(4 \times 6))$ |
| 1 | 2 | 3 | 4 | | | 5 = $\Sigma 4$ | 6 | | | 7 = $\Sigma(\pi(4 \times 6))$ | |
| A. SUBSTATION | | | | | | | | | | | |
| A.5 Roads and Drainage | | | | | | | | | | | |
| A.5.1 Internal Roads | | | | | | | | | | | |
| 1 | Earth work in cutting & Filling and in filling with borrowed earth including site clearing and levelling | sq.m | 1,225.00 | 1,225.00 | 1,225.00 | 3,675.00 | | | | | |
| 2 | Rolling and compaction of earth as per specification all complete. | sq.m | 1,225.00 | 1,225.00 | 1,225.00 | 3,675.00 | | | | | |
| 3 | Providing and laying of hand pack stone soling with 250mm thick stones and packing with smaller stones on prepared surface as per drawing and technical specifications | sq.m | 306.25 | 306.25 | 306.25 | 918.75 | | | | | |
| 4 | Supplying mixing, placing, compacting plain cement concrete of M25 including admixture excluding the cost of reinforcement bars & formwork as per drawing, specification and instruction all complete. | cu.m | 245.00 | 245.00 | 245.00 | 735.00 | | | | | |
| 5 | Centering and Shuttering of Plywood / Steel form work in slabs, walls, columns, lintel and beams including bracing and removal of formwork all complete as per drawing, specification & instruction. | sq.m | 140.00 | 140.00 | 140.00 | 420.00 | | | | | |
| 6 | Providing and fixing in position Fe 500 steel reinforcement of various diameter conforming to relevant IS code in R.C.C. works including straightening, cutting, bending, binding with 20 SWG annealed wire for tying the reinforcement bars at each junctions (binding wire shall not be measured separately) including all waste and cut pieces, provision for adequate numbers of spacers, chairs, providing and placing cement mortar (1:1) cover blocks to keep the bars in intended position at all levels all complete as per drawings, specifications and instruction of the the engineer. (Authorised lap length and for the bar length exceeding 10 meter in length shall be measured for the payment). | ton | 1.92 | 1.92 | 1.92 | 5.77 | | | | | |
| A.5.2 Drainage | | | | | | | | | | | |
| 1 | Earth work in cutting & Filling and in filling with borrowed earth including site clearing and levelling | sq.m | 500.00 | 500.00 | 500.00 | 1,500.00 | | | | | |
| 2 | 150mm thick stone soling and finishing to approved level, line and dimensions as per instruction & specification complete work | cu.m | 67.50 | 67.50 | 67.50 | 202.50 | | | | | |
| 3 | Supplying mixing, placing, compacting of 100mm thick M15 plain cement concrete for foundation bases & floors lead upto 30m excluding the cost of formwork & reinforcement bars, as per drawing, specification & instruction all complete. | cu.m | 45.00 | 45.00 | 45.00 | 135.00 | | | | | |
| 4 | Providing & laying First class chimney made brick masonry work in wall with 1:4 cement sand mortar (1 cement : 4 sand) including lead upto 30 m with curing, cleaning & racking out mortar joint and making ducts, recesses where required as per drawing | cu.m | 138.00 | 138.00 | 138.00 | 414.00 | | | | | |
| 5 | Providing and laying of 600mm dia hume pipe for drainage at road crossings as per specification and requirement at site, NP4 | rm | 40.00 | 40.00 | 40.00 | 120.00 | | | | | |
| 6 | Providing and laying of 600mm dia hume pipe for drainage at road crossings as per specification and requirement at site, NP3 | rm | 20.00 | 20.00 | 20.00 | 60.00 | | | | | |

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| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price Local Currency |
|------|--|------|------------------------|---------------|-------------------|----------------|----------------------------|---------------|-------------------|-------------------------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | 4 | | | | 6 | | | |
| 1 | 2 | 3 | A | B | C | 5 = Σ4 | A | B | C | 7 = Σ(π(4 x 6)) |
| 7 | Supplying and Erecting Dewatering Pumps - 0.5 HP or of required capacity | nos. | 1.00 | 1.00 | 1.00 | 3.00 | | | | |

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

| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price |
|--------------|--|------|---------------------|---------------|----------------|----------------|----------------------------|---------------|----------------|-------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | 4 | | | | 5 = Σ4 | 6 | | |
| | | | A | B | C | | A | B | C | |
| B. | 33 kV FEEDER / TAP OFF STRUCTURE | | | | | | | | | |
| B.1 | Civil Works of Interconnection Components - Concrete Foundation as per technical specifications and approved design/drawings | | | | | - | | | | |
| B.1.1 | Equipment Support Pedestals for Switchyard Components, including Gantries, Current Transformer (CT), Potential Transformer (PT), Lightning Arrestor (LA), Disconnecting Switches with Earth Switch, Post Insulator (PI), BUS PI, Lightning Mast (LM), etc. all complete | | | | | - | | | | |
| 1 | Earthwork Excavation by means of mechanical in all types of soil (soil/gravel/ BMS) as per drawing and technical specifications including removal of stumps and other deleterious matter, all lifts and lead as per drawing and instruction of the engineer. | cu.m | 2.28 | 2.28 | 68.94 | 73.51 | | | | |
| 2 | Providing and laying of plain cement concrete (PCC Work) M10 (manual mixed) in foundation complete as per drawing and technical specifications. | cu.m | 0.10 | 0.10 | 2.32 | 2.52 | | | | |
| 3 | Providing and laying of reinforced cement concrete (RCC Work) M15 (manual mixed) in foundation complete as per drawing and technical specifications. | cu.m | 0.91 | 0.91 | 15.39 | 17.21 | | | | |
| 4 | Providing and laying MS Reinforcement including cutting, bending, binding, fixing in position etc. all complete as per specification and drawing. | ton | 0.04 | 0.04 | 1.28 | 1.37 | | | | |
| 5 | Providing, preparing and installation of form work including necessary supports and removing after completion for structure according to drawings and hauling up to 30 m distance. | sq.m | 4.86 | 4.86 | 72.67 | 82.39 | | | | |
| 6 | Back filling in layers in foundationpits, trenches , etc, includingcompaction all complete with watering | cu.m | 1.27 | 1.27 | 51.23 | 53.78 | | | | |
| | | | | | | - | | | | |
| B.1.2 | Grounding System | | | | | - | | | | |
| 1 | Providing and laying of plain/reinforced cement concrete M15 (manual mixed) in for Switchyard Lightning Protection System, Earthing arrangement as essential in the substation all complete, wherever required. | cu.m | - | - | 13.50 | 13.50 | | | | |
| | | | | | | - | | | | |
| B.1.3 | Illumination System | | | | | - | | | | |
| 1 | Concrete required for Switchyard and Substation yard lighting with 36 W, IP 65 LED with at least 20 lux elsewhere and 200 lux at switchyard, as per site conditions all complete | cu.m | 0.73 | 0.73 | 1.46 | 2.92 | | | | |
| | | | | | | - | | | | |
| B.1.4 | Miscellaneous | | | | | - | | | | |

Name of Tenderer _____

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

| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price |
|------|---|------|---------------------|---------------|----------------|----------------|----------------------------|---------------|----------------|-----------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | Local Currency |
| | | | 4 | | | | 6 | | | 7 = Σ(π(4 x 6)) |
| | 2 | 3 | A | B | C | 5 = Σ4 | A | B | C | |
| 1 | Surface dressing with Crushed Stone including antiweed treatment as per TS & approved design all complete | cu.m | - | - | 2.00 | 2.00 | | | | |

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| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price |
|--------------|--|------|---------------------|---------------|----------------|----------------|----------------------------|---------------|----------------|-----------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) |
| | | | A | B | C | | A | B | C | |
| B. | 33 kV FEEDER / TAP OFF STRUCTURE | | | | | | | | | |
| B.2 | Installation Testing and Commissioning Works of Electrical Components of Substation | | | | | - | | | | |
| B.2.1 | Interconnection System | | | | | - | | | | |
| 1 | 36 kV, 630 A, 25 kA Outdoor Type, Vacuum Circuit Breaker with Accessories all Complete | set | - | - | 1.00 | 1.00 | | | | |
| 2 | 36 kV, 630 A, 25 kA, isolator with earth switch including accessories all complete | set | - | - | 2.00 | 2.00 | | | | |
| 3 | 36 kV, 400 A/300 A Load Break Switch with accessories all complete | set | 1.00 | 1.00 | - | 2.00 | | | | |
| 4 | Three Core Current Transformer for 33 kV with accessories all complete as specified | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 5 | Two Core Potential Transformer for 33 kV including fuse with accessories all complete as specified | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 6 | 30 kV, 10 kA, lighting arrestor with accessories all complete | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 7 | Miscellaneous fitting accessories, ACSR Conductors and all accessories required for the tapping and bay extension work | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| 8 | 33kV Control and Relay Panel, along with Metering Arrangement with Accessories Complete at Substation | | - | | | - | | | | |
| 9 | Marshalling Kiosk Box with Accessories all Complete for placement at tapping point | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |
| B.2.2 | Structures, insulators and busbars - For Bay | | | | | - | | | | |
| 1 | Gantry Column, Girder structures for 33/11 kV substation, all complete as per specifications for each sub-project | lot | - | - | 0.65 | 0.65 | | | | |
| 2 | 36W, IP 65 Outdoor light for installation at Tap off Point/Switchyard/LILO point | set | 1.00 | 1.00 | 1.00 | 3.00 | | | | |

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| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price | |
|--------------|---|----------|---------------------|---------------|----------------|----------------|----------------------------|---------------|----------------|------------------------|-----------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Local Currency |
| | | | A | B | C | | A | B | C | | 7 = Σ(π(4 x 6)) |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) | |
| C.1 | Installation, Testing and Commissioning Works | | | | | | | | | | |
| C.1.1 | Stringing of Conductors | | | | | - | | | | | |
| 1 | Overhead ACSR WOLF Conductor, 150 sq mm. with 5% Sag | kms | - | - | - | - | | | | | |
| 2 | Overhead ACSR DOG Conductor, 100 sq mm. with 5% Sag | kms | 8.33 | 23.79 | 50.36 | 82.48 | | | | | |
| 3 | ADSS Cable with 5% sag, approach cable and support structure (Clamp, nut bolts, shackle insulators all) including optical fibre termination & splicing all complete as per specifications for SCADA of Tapping Point to Substation and facility for data transfer to other substation in future | kms | 2.78 | 7.93 | 8.39 | 19.10 | | | | | |
| C.1.2 | Poles and accessories | | | | | - | | | | | |
| 1 | Hardware and transportation of 11 m long Steel tubular pole including erection - excavation of footing, making pole vent, placing in footing, backfilling, concreting all complete | Nos. | 62.00 | 159.00 | - | 221.00 | | | | | |
| 2 | 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 | Nos. | - | - | 168.00 | 168.00 | | | | | |
| 3 | Stay sets, with stay wire, rod, ties & insulator all complete including transportation to site. | set | 35.00 | 56.00 | 54.00 | 145.00 | | | | | |
| 4 | Providing and laying of plain cement concrete (PCC) M15 (manual mixed) in foundation complete as per drawing and technical specifications for 11 m and 13 m STP. | cum | 42.38 | 118.14 | 152.33 | 312.85 | | | | | |
| C.1.3 | Special Components | | | | | - | | | | | |
| 1 | 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 | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 2 | Providing and laying of plain cement concrete (PCC) M15 (manual mixed) in foundation complete as per drawing and technical specifications for 14.5 m STP. | cum | 1.31 | 1.31 | 1.31 | 3.94 | | | | | |
| 3 | Work related with Steel Lattice Towers required concrete foundation, stub setting and erection all complete including excavation (approx. 42 cu. m, PCC M10 Concrete (approx. 1.16 cu. M, M20 Concrete (approx. 5 cu. M), Rebar (approx. 0.35 ton) and Cement (approx. 175 bags) | nos. | - | - | 2.00 | 2.00 | | | | | |
| C.1.4 | Dismantling Works | | | | | - | | | | | |
| 1 | Dismantling and Transportation to specified location (preferably NEA store nearby/substation compound) of 9 m, 10 m, 11 m pole including conductor (approx 50 m distance between poles) as essential in the site | nos. | 1.00 | 1.00 | 1.00 | 3.00 | | | | | |
| 1 | Dismantling and Transportation to specified location (preferably NEA store nearby/substation compound) of ACSR Conductors as essential in the site | kms | 0.15 | 0.15 | 0.15 | 0.45 | | | | | |
| 2 | Reconductoring of 33 kV or 11 kV lines for certain sections as double or single circuit | kms | 0.15 | 0.15 | 0.15 | 0.45 | | | | | |

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

| Item | Description | Unit | Quantity | | | Total Quantity | Unit Price, Local Currency | | | Total Price |
|-----------|--|------|---------------------|---------------|----------------|----------------|----------------------------|---------------|----------------|-----------------|
| | | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | | Ghorahi Makaundanda | Ghorahi Hapur | Lamahi Gadhawa | |
| | | | A | B | C | | A | B | C | |
| 1 | 2 | 3 | 4 | | | 5 = Σ4 | 6 | | | 7 = Σ(π(4 x 6)) |
| D. | Under Ground Cable | | | | | | | | | |
| 1 | 33kV Underground Power Cable and ADSS Cable Laying works (2 phases of Conductors and ADSS cables in sepearate 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 | kms | - | - | 2.43 | 2.43 | | | | |
| 2 | Installation of Cable Straight through Joints with accessories all complete including transportation to site | Set | - | - | 5.00 | 5.00 | | | | |
| 3 | Installation of 33 kV outdoor XLPE Cable Termination kit with accessories all complete including transportation to site | Set | - | - | 2.00 | 2.00 | | | | |
| 4 | Installation of 30 kV LA (3Nos), Power Fuse (3Nos) including accessories all complete including transportation to site | Set | - | - | 2.00 | 2.00 | | | | |
| 5 | Supply & Installation of Danger Sheets and Route Markers Complete including transportation to site | kms | - | - | 2.43 | 2.43 | | | | |
| 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 | - | - | 2.00 | 2.00 | | | | |
| 7 | Construction of Cable Joining Station/Pits | Set | - | - | 5.00 | 5.00 | | | | |

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 Schedule of Rates and Prices

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

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

Name of Tenderer _____

Signature of Tenderer _____

Single-Stage: Two-Envelope



Procurement of Plant



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

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

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

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

Name of Tenderer _____

Signature of Tenderer _____

