

Procurement of Transformer to S. Hithadhoo

Fenaka Corporation Limited request quotations from interested and eligible local and foreign parties for transformers as per the specifications below herewith. This tender is open to both local and international bidders.

#	Description	Quantity	Unit
1	500 kVA step down transformer	2	Nos
2	800 kVA step down transformer	2	Nos
3	1,000 kVA step down transformer	2	Nos

Technical Specifications

Climatic Conditions

Materials supplied shall be suitable for operating under the following climatic conditions.

- Climate: Typical tropical coast line
- Atmosphere: Saliferous, corrosive and dusty
- Altitude: 2 meter above mean sea water level
- Temperature: 32 °C (mean maximum) 25 °C (mean minimum)
- Barometric air pressure: 1010 millibars
- Relative humidity: 90%
- Average rainfall: 145 days/year
- Average sunshine: 24 days/month

- Mean wind speed: 10.8 knots
- Maximum wind speed: 15.1 knots

Equipment must withstand worst tropical conditions, including lightning, cyclonic rains, and high humidity.

i. Step-Down Transformer 11kV/415V, 500kVA

3 phase 50Hz 500kVA Dyn11, core type double wound with copper conductor, mineral oil immersed ONAN cooled distribution transformer with corrugated tank & conservator arrangement having a no load voltage ratio of 11/0.433 KV. Tappings +5% to -5% in steps of 2.5% shall be provided at line end of HV winding. Changing of taps shall be carried out by means of OFF Load Tap Changer.

Temperature rise shall be 50/60 °C in oil/winding respectively over a maximum ambient of 40°C. The transformer shall be manufactured as per latest IEC.

HV Insulation Level 12kV

Power frequency 28kV. r.m.s.

Basic Impulse Level 75kV. Peak.

HV/LV Connection Delta/ Star N. pt

Dial type thermometer with contacts and control box for relays.

Level indicator and pressure relief valve and oil drain valve.

Hermetically sealed without gas cushion.

Relevant testing standards: IEC / BS standards.

Qty : 2Nos

ii. Step-Down Transformer 11kV/415V, 800kVA

3 phase 50Hz 800kVA Dyn11, core type double wound with copper conductor, mineral oil immersed ONAN cooled distribution transformer with corrugated tank & conservator arrangement having a no load voltage ratio of 11/0.433 KV. Tappings +5% to -5% in steps of 2.5% shall be provided at line end f HV winding. Changing of taps shall be carried out by means of OFF Load Tap Changer.

Temperature rise shall be 50/60 °C in oil/winding respectively over a maximum ambient of 40°C. The transformer shall be manufactured as per latest IEC.

HV Insulation Level 12kV

Power frequency 28kV. r.m.s.

Basic Impulse Level 75kV. Peak.

HV/LV Connection Delta/ Star N. pt

Dial type thermometer with contacts and control box for relays.

Level indicator and pressure relief valve and oil drain valve.

Hermetically sealed without gas cushion.

Relevant testing standards: IEC / BS standards.

Qty : 2Nos

iii. Step-Down Transformer 11kV/415V, 1000kVA

3 phase 50Hz 1000kVA Dyn11, core type double wound with copper conductor, mineral oil immersed ONAN cooled distribution transformer with corrugated tank & conservator arrangement having a no load voltage ratio of 11/0.433 KV. Tappings +5% to -5% in steps of 2.5% shall be provided at line end f HV winding. Changing of taps shall be carried out by means of OFF Load Tap Changer.

Temperature rise shall be 50/60 °C in oil/winding respectively over a maximum ambient of 40°C. The transformer shall be manufactured as per latest IEC.

HV Insulation Level 12kV

Power frequency 28kV. r.m.s.

Basic Impulse Level 75kV. Peak.

HV/LV Connection Delta/ Star N. pt

Dial type thermometer with contacts and control box for relays.

Level indicator and pressure relief valve and oil drain valve.

Hermetically sealed without gas cushion.

Relevant testing standards: IEC / BS standards.

Qty : 2Nos

Bid Information

Quotation shall indicate the following;

a) **Price**

- The bidder shall quote for door-step delivery to Fenaka Head Office.
- All items shall be quoted in the bid.
- Quotation shall indicate the unit price, total price for each item and total price of the quotation. The quotation shall separately indicate additional charges such as freight charges, taxes, etc.

b) **Duration**

- The delivery period shall be stated in ‘days’.
- If the delivery period indicates ‘ex-stock’, or if the duration is not specified, it shall be taken same as the party offering the longest delivery period.

c) **Credit Period**

- The credit period shall be stated in ‘days’.
- Fenaka Corporation Limited is unable to provide an advance of more than 15% of the entire project.

d) **Technical Specifications**

- All the relevant information shall be given to enable technical evaluation of the items quoted.

e) Quotation validity should be a minimum of 60 days from the date of quotation opening.

Note: It is in FENAKA Corporation Limited's discretion to reject/cancel any quotation which does not fulfil or comply the above terms.

Please make sure the items are properly packaged and labelled separately as specifications given above. FENAKA Corporation Limited will only accept items that meet OEM standards. In case the items do not meet the required standards, they will be rejected / returned.

Required Documents

- Quotation
- Technical Specification of the offered product
- Company Details
 - Company Profile
 - Company Registration Certificate
 - GST Registration Certificate (for local bidders)
 - TAX clearance report (for local bidders)
 - Contact Details

Bids lacking the documents above are subjected to fail.

Evaluation Criteria

- **Proposal Cost:** 60 points
 - $(\text{Lowest proposed price} / \text{Proposed price}) \times 65$ points
- **Delivery:** 30 points
 - $(\text{Lowest delivery period} / \text{Proposed delivery period}) \times 35$ points
- **Credit Period:** 10 points
 - $(\text{Proposed credit period} / \text{shortest credit period}) \times 10$ points

