

**TENDER**

**FOR**

**SUPPLY OF 1NO 750 KVA RESIN CAST OLTC TRANSFORMER USS AND  
1 NO 750 KVA ONAN OLTC OIL TRANSFORMER**

**FOR**

**N. S MEMORIAL INSTITUTE OF MEDICAL SCIENCES KOLLAM**

**CONSULTANT**

**FEATS TECHNICAL SERVICES**

**52/3223, "VEMBULLY, VEMBULLY LANE**

**VYTTILA, COCHIN -682019**

## **NOTICE INVITING TENDER**

**PROJECT** : **N. S MEMORIAL INSTITUTE OF  
MEDICAL SCIENCES, KOLLAM**

**SUB TITLE** : **SUPPLY OF 1 NO 750 KVA RESIN  
CAST OLTC TRANSFORMER USS  
AND 1 NO 750 KVA ONAN OLTC  
OIL TRANSFORMER**

**LAST DATE OF RECEIPT OF TENDER:** 22.07.2017, 4 PM

**TIME OF DELIVERY** : 60 DAYS

**ISSUED TO** :

**DATE** :

**Brief schedule**

<b>SI No</b>	<b>Description</b>	<b>EMD</b>	<b>Delivery period</b>	<b>Tender fees</b>
1	750 KVA RC OLTC TRANSFORMER USS AND 750 KVA ONAN OLTC OIL TRANSFORMER	Rs 100000/-	2 months	Rs 2000/-

Tender documents are available for sale at NSMIMS from 12 / 07 /2017 till a day prior to the closing date of receipt of tender against a payment of non-refundable fee of Rs 2000/--(Rupees Two thousand only) in the form of crossed Demand Draft drawn in favour of the Secretary, Kollam District Cooperative Hospital Society Ltd, Q 952 payable at Kollam. The tender document can also be downloaded from the website [www.nshospital.org](http://www.nshospital.org) . In the case of bid documents downloaded from the website mentioned above, the required fees as mentioned above has to be deposited at the time of submission of tender and non- submission of sufficient tender document cost shall be one of the primary reasons for rejection of the offer in the first round.

In case of any disparity between the printed version of the tender documents sold through the Tender Inviting Authority and the downloaded version, the printed will prevail.

**SCHEDULE OF QUANTITIES**  
**SUPPLY OF 1 NO 750 KVA RESIN CAST OLTC TRANSFORMER USS AND 1 NO 750**  
**KVA ONAN OLTC OIL TRANSFORMER**  
**PROJECT: N.S. MEMORIAL INSTITUTE OF MEDICAL SCIENCES**  
**KOLLAM**

Item No.	DESCRIPTION OF ITEM	QTY	Unit Rate (Rs.)	Amount (Rs)
1.1	<p><b>OIL TRANSFORMER [ OPTION 1]</b></p> <p>750 KVA Indoor Oil Transformer 3 Ph, 50 Hz, ONAN, DYN-11 with On-Load-Tap-Changer of +5% to -15% insteps of 1.25% (17 steps) with first fill of oil, HT side cable box, LT side cable box, MS shouldering for cable, all standard fittings and accessories as required complete..Voltage Ratio: 11/0.433 kV, Type of Winding:</p> <p>Copper, Class-A Insulation, Fittings: Standard fittings as per IS:2026/77, etc. as required.</p> <p>Transformer shall also be provided with a) Rating and diagram plate, b) Earthing terminals, c) Oil level indicator, d) Pressure relief device, e) Top filter valve, f) Drain cum bottom filter valve, g) Sampling valve, h) Radiator, i) Oil filling hole with cover, j) Lifting lugs, k)Silica gel breather, l) Conservator with drain plug &amp; Resetting device, m) Marshalling box, n) RTCC/AVR, etc. Transformer shall have Relays like Winding Temp., Oil Temp,oil surge relay etc.</p> <p>a) Supply at site</p>	1No.		
1.2	<p><b>Automatic Tap Changer Panel (for Oil Transformer)</b></p> <p>Automatic Tap Changer Panel for above transformer with Automatic Voltage Regulating relay, Tap raise / lower push button, Indication for tap position/ Tap change in progress, Supply ON, Control supply isolator, Auto/Independent, Auto/ Manual switch, and other facilities,etc. and with provision for OLTC auto resets to '0' position at the time of power failure.</p> <p>a) Supply at site  b) Installation, testing and commissioning of Tap Changer Panel with interconnections for transformer.</p>	1No. 1Job.		
	Total Rs.			

<p><b>2.1</b></p>	<p><b>UNITISED SUBSTATION [Option-2]</b></p> <p>Unitised Substation [USS] shall be compact type, asthetically superior, fully compartmentalized, no accidental access to live parts; vent out for heat removal and consists of the following</p> <p>750 KVA Cast Resin Transformer, indoor, dry type, 3 Ph, 50 c/s, voltage ratio 11KV/433V, naturally cooled, vector DYN11, copper winding, connected Delta on HT side and Star on LT side with On-Load-Tap-Changer of +5% to -15% in steps of 1.25 % conforming to IS:11171, HT side suitable for connecting HT SFU and LT side suitable for cable box, Class 'F' insulation, Scanner and RTDs for sensing temperature of 3 LT windings with digital display, RTD unit with alarm relays, output contacts, alarm/trip status, termination primary./secondary for cables, neutral CT mounting bush, earthing for surge arrester, lifting lugs, rollers, etc.</p> <p>HT Panel with HT load air break switch fuse unit of 11KV, 400A, 3P, 350MVA with 70 A fuse with ON/OFF operating handle, spring charged, ON/OFF mechanical indicator, emergency trip push button, earth switch with 230V AC shunt trip coil, 2 NO + NC contacts, interlock with main switch as primary controlling device, heater with thermostat and control switch, MCBs for AC/DC circuit control switch, MCBs for AC/DC controls, control wiring etc.</p> <p>11KV 70A HT HRC fuse links having tripping strike pin-3 NO</p> <p>USS enclosure made out of 2 mm CRCA steel sheet with louvers IP 23 protection.</p> <p>a) Supply at site</p>	<p>1 No.</p>		
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<p><b>2.2</b></p>	<p><b>Automatic Tap Changer Panel (For CR Transformer)</b></p> <p>Automatic Tap Changer Panel for above transformer with Automatic Voltage Regulating relay, Tap raise / lower push button, Indication for tap position/ Tap change in progress, Supply ON, Control supply isolator, Auto/Independent, Auto/ Manual switch, and other facilities,etc. and with provision for OLTC auto resets to '0' position at the time of power failure.</p> <p>a) Supply at site</p> <p>b) Installation, testing and commissioning of Tap Changer Panel with interconnections for transformer</p>	<p>1 No.</p> <p>1Job</p>			
<p>TOTAL Rs.</p>					

**NOTES:-**

- ◆ Price: Price shall include all taxes, duties, transportation, insurance, unloading charges, etc. (all inclusive).
- ◆ Delivery: Site at Kollam, Kerala.
- ◆ Supplier shall assist Electrical Contractor for installation, testing and commissioning the item, at free of cost.
- ◆ Item shall be manufactured and tested as per standards and guidelines of Electrical Inspectorate.

Signature of the Tenderer

