

DEPARTMENT OF ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY,
SHIBPUR, HOWRAH-711 103.

No. 305/EE-3/21 (CPDA-GB)

Dated :28/02/2017

ADVT.NO.Web/EE/IIEST/16-17/122

From : The Head of the Department,
Electrical Engineering,
IIEST, Shibpur, Howrah-711 103


To :

Enlisted vendors of the institute and other interested parties.

Dear Sirs/Sirs,

Kindly quote for the following item/items within **7days** from the date of publication in the website. The quotation should include the taxes, delivery charges, etc. to Indian Institute of Engineering Science and Technology, Shibpur and should mention a firm delivery period. Preferences will be given to the suppliers who can supply ex-stock.

Yours faithfully,



Head of the Department,
Electrical Engineering
IIEST, Shibpur, Howrah – 711 103

List of Items:

Please see overleaf

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Sl.	Particulars & Description of Item	Qty	UOM
1.0	<p>Supply, Installation, Testing and Commissioning of specialized Transformer Model for research work involving advanced transformer winding design and performance analysis: the model shall be suitable for observing its performance through relevant experiments in the laboratory.</p> <p><i>Detailed technical specifications:</i></p> <ol style="list-style-type: none">1. Voltage / Insulation level: Individual coil insulation should be of at least 1 kV grade, suitable for testing under low voltage impulse in the laboratory2. KVA rating shall not be less than 1 KVA.3. The model should comprise of i) 2 coils of capacitance 1000pF (approx.) each ii) 2 coils of Capacitance 2000pF each (approx.) each and iii) 2 coils of capacitance 4000pF (approx.) each.4. Provisions should be there to vary the coil capacitances by varying the quality/quantity of inter-turn Insulation.5. Provisions are to be made to place metal shield/foils in between turns or winding layers. These shields, subsequently, would be raised to suitable potentials to change the amount of stored energy per disk coil and hence the capacitance.	1.0	No.