



GOVT. OF BIHAR  
DEPARTMENT OF SCIENCE & TECHNOLOGY, PATNA  
**LOK NAYAK JAI PRAKASH INSTITUTE OF TECHNOLOGY**  
**CHAPRA, SARAN (BIHAR)-841302**

LNJPIT Chapra is in process of procuring the GOODS/Equipment/Learning resources for strengthening of EEE Department under TEQIP-III Scheme. Details of the Instruments and their specifications are providing bellow.

**Package Name**

- **BIHAR/LNJPIT/PPAS LAB**

Package wise procurement will be done, Interested suppliers/Bidders are required to give the following information/Documents on [principallnjpitchapra@gmail.com](mailto:principallnjpitchapra@gmail.com)/[lnjpchapatq3.procurement@gmail.com](mailto:lnjpchapatq3.procurement@gmail.com) latest by **02-07-2019** so the invitation for bidding process can be initiated through PMS.

- Supplier Name
- Address (with Pin Code)
- Email-ID
- Mobile No.
- GST NO.
- Reference Doc. for same item supplied to other Institute

Dear Sir,

1. You are invited to submit your Firm details as mentioned above for the Procurement of following goods with item wise detailed specifications given at Annexure I,

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	IDMT Over Current Relay Trainer	2	LNJPIT CHAPRA	YES
2	Relay Test	1	LNJPIT CHAPRA	YES
3	Power Transmission & Distribution Trainer	2	LNJPIT CHAPRA	
4	Transformer Oil Testing System	2	LNJPIT	

			CHAPRA	
5	Motor generator set with synchronizing panel	1	LNJPIT CHAPRA	
6	Feeder Protection Trainer	1	LNJPIT CHAPRA	YES

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

### Annexure I

Sr. No	Item Name	Specifications
1	IDMT Over Current Relay Trainer	<ul style="list-style-type: none"> <li>• 3 phase DOL starter 4pole MCB, contractor &amp; relay panel - 4 pole MCB of 415 V/4A . - DOL 9A Contactor with 230V / 50 Hz / 11VA COIL - Bimetallic thermal O/L relay with range 1.4A - 2.3A - R-Y-B Input display Indicators. - Manual start / stop with local trip contact • 3 phase multifunction meter panel - Bidirectional Multifunction - 3 Phase ¾ wire, 415V, CT Input 5A - LCD/LED display, Aux supply 230V, 45-65 Hz, 5W - V, A, Hz, Pf, KVA, KW, KWH - Modbus RTU RS485 connections (Optional)</li> </ul>
2	Relay Test	<ul style="list-style-type: none"> <li>• 3phase DOL starter 4pole MCB, contractor &amp; relay panel - 4 pole MCB of 415 V/4A - DOL 9A Contactor with 230V / 50 Hz / 11VA COIL - Bimetallic thermal O/L relay with range 1.4A - 2.3A - R-Y-B Input display Indicators. - Manual start / stop with local trip contact • 3 phase multifunction meter panels - Bidirectional Multifunction - 3 Phase ¾ wire, 415V, CT Input 5A Demonstration</li> </ul>
3	Power Transmission & Distribution Trainer	<ul style="list-style-type: none"> <li>E• 3 phase DOL starter 4pole MCB, contractor &amp; relay panel (1 No) - 4 pole MCB of 415 V/4A. - DOL 9A Contactor with 230V / 50 Hz / 11VA COIL. - Bimetallic thermal O/L relay with range 1.4A - 2.3A - R-Y-B Input display Indicators. - Manual start / stop with local trip contact • 3 phase multifunction meter panel (3 Nos) - Bidirectional Multifunction - 3 Phase ¾ wire, 415V, CT Input 5A - LCD/LED display, Aux supply 230V, 45-65 Hz, 5W - V, A, Hz, Pf, KVA, KW, KWH - Modbus RTU RS485 connections</li> </ul>
4	Transformer Oil Testing System	<ul style="list-style-type: none"> <li>□ Output Voltage -0-100 KAC □ Continuously variable and applicable between H.T. Electrodes in the Test Cup conforming to IS:6792:1992 □ Accuracy: +3% FSD+dgt □ Resolution: 1 kV □ Display: 3 ½ Digit panel meter □ Tripping Time: Less than 20 milliseconds □ Power Supply: 230 VAC, 50 Hz Single Phase □ Controls: HT ON, HT OFF, Increase Decrease □ MOQ: 1/0-60KV</li> </ul>

5	Motor generator set with synchronizing panel	<ul style="list-style-type: none"> <li>• 3 phase DOL starter 4pole MCB, contractor &amp; relay panel - 4 pole MCB of 415 V/4A. - DOL 9A Contactor with 230V / 50 Hz / 11VA COIL. - Bimetallic thermal O/L relay with range 1.4A - 2.3A - R-Y-B Input display Indicators. - Manual start / stop with local trip contact • 3 phase multifunction meter panel (3 Nos) - Bidirectional Multifunction - 3 Phase ¾ wire, 415V, CT Input 5A - LCD/LED display, Aux supply 230V, 45-65 Hz, 5W - V, A, Hz, Pf, KVA, KW, KWH - Modbus RTU RS485 connections</li> </ul>
6	Feeder Protection Trainer	<ul style="list-style-type: none"> <li>- Table is made from 3 assemblies &amp; sub- assemblies a. Bottom stand Pi type structure with table top, drawers etc. b. Hind rectangular box, also called as switch box, to hold 1phase &amp; 3phase power sources, switches, sockets, MCBs etc. • Frame - MS square tube (Heavy duty) Colour: Brown / off white powder coating, optionally sturdy aluminum profile/frame. • Table Top Material /colour - The Schneider Green or nova pan or Rubber wood with Silver gray with smooth finish veneer finish table top (18mm thick optionally 40mm) - 18mm antistatic rubberized sheet</li> </ul>

