

Dr. B. C. Roy Engineering College
Jemua Road, Fuljhore, Durgapur, Paschim Bardhaman 713206

No. BCREC / 26-27 /EE/ 01/ NIT

Date: 22/06/2026

NOTICE INVITING TENDER

1. Sealed quotations / tenders are invited from reputed firms / suppliers for **supply of the " Hopkinson's Test of DC Machine, Sumpner's test of Single-Phase transformer and Slip Test of Salient Pole Machine "** as per the requirement (enclosed herewith) to **Dr. B. C. Roy Engineering College, Jemua Road, Fuljhore, Durgapur, Paschim Bardhaman 713206, for the financial year 2026-27.**

Mere submission of quotation / lowest price for the process doesn't ensure any assurance for the work order. Quotation/s/tender/s must be submitted in original separately, clearly mentioning validity period for approved rates (basic price), all taxes, installation charges, discounts (if any), rate of changes to be incorporated in subsequent years etc. along with any other costs thereon; failing which tender will be summarily rejected.

All other legal documents must be furnished along with quotations such as Experience Certificate (certificate from the customer dated not more than 3 years), PAN / TAN, valid Trade License, One Cancelled Cheque, GST Reg. No., IT return of last 3 years etc. Quotations must contain detailed aforementioned specifications along with other information and terms and conditions if required. No advance money will be provided for execution of the job. **Full payment will be made either by cheque or online by the institution after successful completion of the work (delivery, installation and demonstration). Last date for submission of quotation will be 12th July, 2026 up to 17:00 Hrs.** The quotation is valid for the entire period of the financial year ending on **31-03-2027**. The quotation documents are non-refundable. Work Order order will be issued to qualified L₁ bidder as per the requirements of the college throughout the entire financial year subject to fulfillment of all rules and regulations. **The Tender Inviting Authority (TIA) reserves the right to accept / reject any quotation without assigning any reason thereof.**

Payment and delivery schedule must have to be mentioned in the quotation.



s/d

Head

**Department -Electrical Engineering
Dr. B. C. Roy Engineering College**

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Dept. Electrical Engineering
Dr. B. C. Roy Engineering College
Durgapur

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Annexure-I

**"Requirement of – 1. Hopkinson's Test of DC Machine,
2. Sumpner's test of Single-Phase transformer,
3. Slip Test of Salient Pole Machine "**

Details	Item Description	No of Items
1. Hopkinson's Test of DC Machine	<p>DC Shunt machine : 1 HP DC, 220 volts, 1500 RPM, shunt type – 2 nos.</p> <p>Ammeter : Digital ammeter, 0-10 Amps., panel mount – 2 nos. : 0-2 amps, digital type, DC ammeter, panel mount – 2 nos.</p> <p>Voltmeter : Digital type DC voltmeter, 0-300 volts, panel mount – 3 nos.</p> <p>RPM meter : Digital type, panel mount with proximity sensor – 1 set.</p> <p>Variable DC Source for Drive : 0-220V, 12A with zero volt interlocking – 1 no.</p> <p>Variable DC Source for Field Excitation : 0-220V, 2A – 2 nos.</p> <p>SPST knife switch : 220V, 15A, panel mount type – 1 no.</p> <p>Both the machines mount on MS channel base with flexible coupling arrangement.</p> <p>All meters are mount on a self stand bakelite panel board. All the terminals of the motors, Meters, starters etc. brought out on the panel for flexible connection.</p> <p>With MCB's, indicators, connecting patch cords, operating manuals etc.</p>	1
2. Sumpner's test of Single-Phase transformer	<p>Transformer : 1 KVA, Primary : 230 volts, Secondary : 115 volts, single phase, 50 Hz, CRGO ore, Normally air cool – 2 nos.</p> <p>Variac : Single phase, panel mount flash type, 0-250V,</p>	1



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	<p>10A - 1 no.</p> <p>Wattmeter : 0 -300 volts / 0-5 amps, Digital panel type - 1 no. : 0 -100 volts / 0-10 amps, Digital panel type - 1 no.</p> <p>Voltmeter : 0-300 volts, Digital type, AC, panel mount - 2 nos.</p> <p>Ammeter : 0-10 amps, Digital type, AC, panel mount - 1 no. : 0-5 amps, Digital type, AC, panel mount - 1 no.</p> <p>All meters are mount on a front bakelite sheet with MS panel board. All the terminals of the meters, Transformer, Variac brought out on the panel for flexible connection. With connecting patch cords, operating manuals etc.</p>	
3. Slip Test of Salient Pole Machine	<p>Salient pole motor-DC Motor set.</p> <p>Salient Pole Synchronous Machine coupled with DC Shunt Motor.</p> <p>Synchronous Motor : 1.5 KVA Capacity, 400V, 50 Hz, Salient type, 1500 RPM with 200V DC excitation.</p> <p>DC Shunt Motor : 2 HP Capacity, 220V DC, 1500 RPM, Self stand, Cont. duty</p> <p>Both machine mount on MS angle frame with proper coupling arrangement.</p> <p>(Without Panel and Instruments)</p>	1



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