

Inquiry Form

OFFICE OF THE PRINCIPAL
UNIVERSITY POLYTECHNIC
A.M.U., ALIGARH

D. No. 74 /Poly.

Dated: 28-09-2013

Dear Sirs,

Sealed quotations/tenders are invited for the following articles on the terms and conditions printed over-leaf.

Quotation should reach this office on or before 19-10-2013 by 1:30 p.m. positively.

S. No.	Approx. quantity	Name of Equipment	Specifications
01.	01 No.	Rotameter calibration Test Rig with Venturimeter & Orificemeter attachments	1) Sump tank with flow - 1000 mm x 1000mm x 300 mm 2) Measuring tank - 400 mm x 600 mm x 250 mm 3) Mercury Manometers (Differential) (atleast 01) 4) Each line provided with flow control value for setting of different flow rates. 5) Pressure tubes of different pipe lines connected to common manometer through cocks. 6) Easy to operate and replacement of Venturimeter & Orificemeter. 7) Flow control value at the end of each line. 8) 0.5 H.P. Motor Pump for recirculation.
02.	01 No.	Bernoulli's Apparatus	1) 02 Tanks of suitable size approx. 150mm x 150mm x 600mm mounted on stand. 2) Flow channel of variable depth of 750mm length made out of perplex sheets connecting two tanks. 3) Piezometer tubes atleast 14 No. equispaced. 4) Measuring tank of size 600 mm x 400 mm x 300 mm. 5) Stop watch. 6) Sump tank of size 1250 mm x 600 mm x 300mm. 7) Suitable pump for recirculation.



03.	01 No.	Reynolds's Apparatus (Flow transition Visualization Apparatus)	<p>(1) Storage tank with flow - 400 mm x 400 mm x 700 mm</p> <p>(2) Measuring Flask - 1 ltr.</p> <p>(3) Dye bottle tank - 170 mm x 170 x 300 mm long</p> <p>(4) Transparent tube - 1 meter long with 25 mm I.D.</p> <p>(5) Stand to mount glass tube</p> <p>(6) Potassium Permanganate provided as dye.</p> <p>(7) Sump Tank for Recirculation - 1250 mm x 600 mm x 300 mm</p> <p>(8) Pump for recirculation</p>
04.	01 No.	1 H.P. Centrifugal Pump Test Rig (Rated Speed Type With A.C. Motor)	<p>1) Centrifugal Pump – 1HP with AC motor & Pulley Type</p> <p>2) Sump tank - 1000 x 700 x 300 mm height,</p> <p>3) Measuring tank – 600 x 400 x 250 mm height.</p> <p>MEASUREMENT & CONTROLS:-</p> <p>a) Energy meter.</p> <p>b) Pressure and vacuum gauges.</p> <p>c) Stop clock.</p> <p>d) Adequate turn pipes and control arrangement</p>
05.	01 No.	Reciprocating Pump Test Rig (Variable Speed)	<p>1) Reciprocating pump set suitable for pump test at variable Speeds size 1/2" x 3/4" to discharge 220 GPH at 40 m. head (approx.)</p> <p>2) Electric motor of capacity 1 HP D.C. three phase at 440 V</p> <p>3) Drive from the motor to pump given by a variable reduction pulley belt drive</p> <p>4) Pressure gauge, Vacuum gauge, foot valve,</p> <p>5) Energy meter, Switch, starter, and stop watch.</p> <p>6) Measuring tank of size 600 mm x 400 mm x 250 mm with scale Fitting and 1" drain valve</p> <p>7) Sump Tank of 1000mm x 700mm x 300mm</p>

NOTE: The following information must be submitted

1. The firm should be registered at the Central Purchase Office, A.M.U., Aligarh.
2. The validity of the quotation should not be less than 90 days
3. Please give the our inquiry no. on the envelope

