



No.CEK/D/287/2019

Dated: 28.02.2023

QUOTATION NOTICE

Competitive quotations are invited from qualified firms for the supply of “**Metacentric Height Apparatus** “ to Fluid Mechanics Lab in Civil Engineering Department at College of Engineering Kidangoor with specification as detailed below:

METACENTRIC HEIGHT APPARATUS

A ship model is allowed to float in a small tank having water. A strip placed in the model for the purpose of changing the weight of the model. Displacement of weight is measured with the help of a scale. By means of a pendulum the angle of tilt can be measured on a graduated arc. For tilting the model, a cross bar with movable hangers is fixed on the model. Pendulum and graduated arc are suitably fixed at the center of the cross bar.

Range of experiments:

1. To determine the meta- centric height with angle of ship model.
2. To study force balances in a static system.

TECHNICAL DETAILS:

Ship Model : Size 300x150 mm (approx.) with a
horizontal guide bar for sliding weight.

Water Tank

(Made of stainless steel) : Size 600x400x400 mm

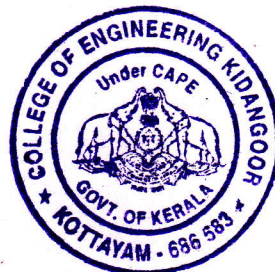
Front Window of Tank : Made of Glass/ Perspex.

A suitable set of weights

The last date and time for receiving quotations: 13-03-2023, 11.00 AM

Date and time for opening quotations: 13-03-2023, 3.00 PM

The rates of Govt Quotations are applicable for these quotations also. The decision taken in the matter by the undersigned will be final.




PRINCIPAL


28/2.