



KUFOS HQRS, Panangad, Ernakulam



**KERALA UNIVERSITY OF FISHERIES & OCEAN STUDIES**  
**കേരള ഫിഷറീസ്-സമുദ്രപഠന സർവ്വകലാശാല**

**PANANGAD P.O., KOCHI 682 506, KERALA, INDIA**

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No.GA7/9946/17	Dated: .07.2019
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**QUOTATION EXTENSION NOTICE**

Ref: Quotation notice no.GA7/9946/2017 dated 17.04.2019.

Sealed quotations are invited for the **“setting up of Fluid Mechanics Lab for School of Ocean Engineering & Under Water Technology”**.  
The particulars / specifications are Given below:

The envelope containing the quotation should bear the superscription **“Quotation for setting up of Fluid Mechanics Lab for School of Ocean Engineering & Under Water Technology, KUFOS, Panangad [GA7/9946/17]”** and should be sent to the Registrar, Kerala University of Fisheries and Ocean Studies, Panangad., Kochi - 682 506, Ernakulam District. Intending quotationers may submit their quotations on their own papers with detailed specification.

The rate quoted should be firm and inclusive of all taxes and supply at Kerala University of Fisheries and Ocean Studies, Panangad.

Late quotations will not be accepted. The Quotations will be opened in the presence of the quotationers or their authorized representative who may be present at the venue.

<b>Last date and time for receipt of quotation</b>	3.08.2019, 3pm
<b>Date and time of opening of quotation</b>	3.08.2019, 3.30pm

All the terms and conditions applicable to University/Government quotation are applicable to this quotation also. Right to accept the quotation in full or in part or to reject without assigning any reason is reserved with the Registrar, KUFOS, Panangad, Kochi.

**REGISTRAR**

To : Firms  
Copy to: Director, SOEUT/ System Manager

**The particulars / specifications are:**

**1. Specifications Cut Section of Centrifugal Pump with Gland seal**



This equipment is designed for students to acquaint them with basics of a centrifugal pump.

**Centrifugal pump:** with gland seal, 5 HP, 125 LPS, Section discharge-63 X 50mm, RPM-1450, Kirloskar make Impeller dia: 10"

The pump should be sectioned to serve following demonstration purpose.

A. Identification of type of pump i.e. single stage, multi stage, etc.

B. Understanding operation of a centrifugal pump

C. Identification of type of seal used in the pump

The equipment must be supplied duly painted with a pre-defined color code for better understanding and good ergonomics. Along with the equipment, following teaching aids must be supplied.

A. Booklet explaining working of pumps and its components.

B. Wall chart explaining different components of a pump

C. Transparencies for instructor's use

## 2. Specifications Cut Section of Centrifugal Pump with Mechanical Seal

**Centrifugal pump:** with mechanical seal, 5 HP, 125 LPS, Section discharge-63 X 50 mm, RPM-1450, Kirloskar make, Impeller dia: 10"

The pump should be sectioned to serve following demonstration purpose.

A. Identification of type of pump i.e. single stage, multi stage, etc.

B. Understanding operation of a centrifugal pump

C. Identification of type of seal used in the pump

The equipment will be supplied duly painted with a pre-defined color code for better understanding and good ergonomics.

Along with the equipment, following teaching aids must be supplied.

A. Booklet explaining working of pumps and its components.

B. Wall chart explaining different components of a pump

C. Transparencies for instructor's use.

## 3. Specifications for Cut Section of Reciprocating Pump

- **Reciprocating Pump:** Plunger type, Single Cylinder, Flow rate 10 LPH, Size of

the pump: 1 ½" X 1" without motor

The pump should be sectioned to serve following demonstration purpose.

D. Identification of type of pump i.e. single stage, multi stage, etc.

E. Understanding operation of a reciprocating pump

The equipment must be supplied duly painted with a pre-defined color code for better understanding and good ergonomics. Along with the equipment, following teaching aids must be supplied.

F. Booklet explaining working of pumps and its components.

G. Wall chart explaining different components of a pump

H. Transparencies for instructor's use