



GOVERNMENT COLLEGE OF ENGINEERING KARAD
VIDYANAGAR, KARAD, 415124
DISTRICT: SATARA

(An Autonomous Institute of Government of Maharashtra)
Phone – (02164) 271711, 271712 Fax No. – (02164) 271713
Website: www.gcekarad.ac.in Email: principal@gcekarad.ac.in



To,

No. CEK/ CED/ FM Lab. / 2018-19/3145
Date: 15TH OCTOBER 2018

Subject – Quotation for Reynolds Apparatus

Dear Sir,

With reference to above subject, I request you to kindly quote your rates for below mentioned material for **FLUID MECHANICS LABORATORY** of **CIVIL ENGINEERING DEPARTMENT** of this Institute so as to reach institute office within **Thursday, 25/10/2018** up to 05.00 pm. The details are as given below –

Sr. No.	Particulars	Quantity Required
1	Reynolds Apparatus Storage tank (Constant head water tank) with flow steadying arrangements having capacity of 40 Litres approximately and made up of Stainless Steel (SS 316). Measuring Tank for flow measurement consists of 40 Litres approximately and made up of Stainless Steel (SS 316) with piezometer. Sump tank and Recirculation Pump for recirculation of water, Sump tank having capacity 60 Litres approximately and made up of Stainless Steel (SS 316) Water (recirculation) Circulation pump: FHP Pump, branded make. Dye Container (approx. 250mL) and with needle of Stainless Steel Test Pipe section: Acrylic piping with valves having Acrylic Tube (Transparent) of size: 25mm diameter, Length: 900mm with Suitable stand to mount the Acrylic Tube and Frame (stand) made of M.S. square tubes and sheets, welded and powder coated. Flow Control Valve: Material: Brass, Gate Valve Control Panel comprises of: Standard make On/Off Switches, Mains etc.. Instruction Manual: An English instruction manual to be provided along with the apparatus	01

Your quotation should be valid for at least 60 days from the date of opening. The quotation should be sent to “**The Principal, Government College of Engineering, Karad**” in sealed envelope superscripted with “**Bernoulli’s Apparatus**” for **Fluid Mechanics Laboratory of Civil Engineering Department** due on **Thursday, 25/10/2018**. The Institute does not bind itself to accept or reject the quotation. Please note that if there is any over-writing in the quotation, the said term will not be taken into consideration.

The quotation will be opened on **Friday, 26/10/2018** at **11.00 a.m.** in **Civil Engineering Department (Head’s Cabin)**

Thanking you.

Yours faithfully,

A. H. Kulkarni
15/10
(A. H. Kulkarni)



[Signature]
Principal,
Govt. College of Engineering,
Karad – 415 124



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No. CEK/ CED/ FM Lab. / 2018-19/3145

Date: 15TH OCTOBER 2018

To,

Subject – Quotation for Metacentre Height Apparatus

Dear Sir,

With reference to above subject, I request you to kindly quote your rates for below mentioned material for **FLUID MECHANICS LABORATORY** of **CIVIL ENGINEERING DEPARTMENT** of this Institute so as to reach institute office within **Thursday, 25/10/2018** up to 05.00 pm.

The details are as given below –


Sr. No.	Particulars	Quantity Required
1	<p>Metacentre Height Apparatus</p> <p>Stainless Steel (SS 316) Tank of size 1000mm X 700mm X 300mm with drain plug and fitted with piezometer tube to measure the level of water in Tank and having fibre lining inside it, also included with Transparent sheet of Acrylic or Perspex provided in front of tank</p> <p>A Hollow Flat Bottom Semi-circular ship model with balancing weight which is of the size 380mm X 250mm X 170mm (L X B X H) and having A graduated cross bar arrangement for ship with provision of angling movable weights at known distances from vertical axis through C.G</p> <p>The Tank and ship are well epoxy painted to prevent rust</p> <p>A Graduated arc for measuring tilt angle</p> <p>A pointer to measure the angle of heel</p> <p>Additional Circular weights 100gms, 250gms, 500gms (2 sets each)</p> <p>Instruction Manual: An English instruction manual to be provided along with the apparatus</p>	01

Your quotation should be valid for at least 60 days from the date of opening. The quotation should be sent to “**The Principal, Government College of Engineering, Karad**” in sealed envelope superscripted with “**Bernoulli’s Apparatus**” for **Fluid Mechanics Laboratory of Civil Engineering Department** due on **Thursday, 25/10/2018**. The Institute does not bind itself to accept or reject the quotation. Please note that if there is any over-writing in the quotation, the said term will not be taken into consideration.

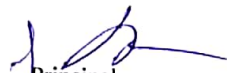
The quotation will be opened on **Friday, 26/10/2018** at **11.00 a.m.** in **Civil Engineering Department (Head’s Cabin)**

Thanking you.

Yours faithfully,


15/10
(A. H. Tulkami)




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Govt. College of Engineering,
Karad – 415 124



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No. CEK/ CED/ FM Lab. / 2018-19/ 3195
Date: 15TH OCTOBER 2018

To,

Subject – Quotation for Bernoulli's Apparatus

Dear Sir,

With reference to above subject, I request you to kindly quote your rates for below mentioned material for **FLUID MECHANICS LABORATORY** of **CIVIL ENGINEERING DEPARTMENT** of this Institute so as to reach institute office within **Thursday, 25/10/2018** up to 05.00 pm. The details are as given below –


Sr. No.	Particulars	Quantity Required
1	Bernoulli's Apparatus Test Section consists of supply and delivery, Test Section of varying cross section made up of acrylic having converging and diverging sections of minimum 1 meter length, this Supply and Delivery Tank of capacity approximate 20 litres each made up of Acrylic/ Perspex. Pressure Head can be noted from Piezometer Tubes placed 5cms apart which is able to show head of 1 – 300 mm for this head measurement scale arrangements must be provided Arrangement provided to conduct the experiments on different flow rates Stainless steel sump tank and a self-priming, centrifugal pump of standard make. Sump Tank capacity 100 litres approximate for recirculation of water. Flow rate of water is to be measured with the help of stainless steel measuring tank provided with piezometer having Capacity of 40 litres approximate The whole setup should be mounted on strong steel frame made up of M.S. square tubes and sheets, welded and powder coated A control panel should be provided which comprises of an ON/ OFF switch, Starter, Mains Indicator, etc.. Instruction Manual: An English instruction manual to be provided along with the apparatus	01


Your quotation should be valid for at least 60 days from the date of opening. The quotation should be sent to "The Principal, Government College of Engineering, Karad" in sealed envelope superscripted with "Bernoulli's Apparatus" for Fluid Mechanics Laboratory of Civil Engineering Department due on **Thursday, 25/10/2018**. The Institute does not bind itself to accept or reject the quotation. Please note that if there is any over-writing in the quotation, the said term will not be taken into consideration.

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Yours faithfully,


Principal,
Govt. College of Engineering,
Karad – 415 124


15/10
(A. H. Bulkami)

