



# Government College of Engineering

Station Road, Chhatrapati Sambhajnagar – 431 005

“In Pursuit of Technical Excellence”

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No. GECCS/CIVIL/2024-25/ 1753

Date 18 JUN 2024

To, GECCS Notice Board / GECCS WEBSITE

## Subject :- Quotation for Supply of Following items.

Dear Sir, You are requested to send your competitive quotations for the supply of the following items subject to the following conditions.

### Terms & Conditions –

- 1 Rates quoted should be FOR Chhatrapati Sambhajnagar or free delivery at the Institute inclusive of all lead and Lift.
- 2 Detailed specifications of the articles you intend to supply should be given. If not according to the specification, laid down here under.
3. The material should be supplied within (07) days from the date of order. List of material is given below.
4. The earliest delivery period should be quoted if you cannot supply within the period mentioned above.
5. Quotation should be in sealed cover and superscripted as “Quotations for Civil Department” Due on : 26-06-2024, at 5 P.M.
6. Quotation should be valid for 31/03/2025.
7. Right to reject any or all quotations are reserved with the under signed.
8. Rates quoted must be inclusive of All applicable Taxes.
9. Delivery of the material will be carried out free of cost at our institute in EED Department by the supplier
10. No advance shall be paid and No part payment shall be made.
11. Detail Specification including make of material should be mentioned in Quotation. If the quoted Item/Peripheral is available with you in different brands/makes, the rates should be mentioned separately brand wise/specification wise. **If the Make/Brand/Manufacturer name is not mentioned in the quotation will be rejected without giving any information to the supplier.**
12. Material will be inspected by the concerned department. If the material found correct subject to the required specifications, bill will be passed, otherwise returned as it is at your cost.
13. Quotation not complying with the above conditions and incomplete once will not be considered

Sr. No	Item with Specification (Brand Name should be mentioned compulsory)	Rate Per Unit Including GST
01	<p>LOSSES IN PIPES APPARATUS ( RE-CIRCULATION TYPE )</p> <p>SPECIFICATIONS</p> <p>1. Sump Tank : Capacity - 140 ltrs.( Approx.) (0.9 L x 0.4 B x 0.4m H) Material - M.S. Sheet with FRP Lining from inside powder coated exterior.</p> <p>and</p> <p>2. Measuring Tank : Capacity - 30 ltrs. ( Approx.) with piezometric tube. Material - M.S. Sheet with FRP Lining from inside powder coated exterior.</p> <p>and</p> <p>3. Diff.Manometer : For measuring pressure head. (without Mercury)</p> <p>4. Stop Watch. : 1 No.</p> <p>5. Pipe circuit : 15mm and 25mm dia.</p> <p>6. Pipe fittings : Sudden enlargement, contraction, bend, elbow, control valves ( 2 Nos. - Gate valve)</p> <p>7. Monoblock Pump : 0.5 HP, Single phase, 230 V.A.C. with bye-pass valve and suction piping. Make : Laxmi Coimbatore / Ruby / Equivalent.</p> <p>8. A hollow square pipe frame is made for fitting the tanks, manometer and pump.</p>	

## NOTCH APPARATUS ( RE-CIRCULATION TYPE )

### SPECIFICATIONS

- 02
1. Open Channel : Size - 1.2 (L) x 0.20 (B) x 0.20 m (Ht) (Approx.)  
Material - M.S. Sheet with FRP Lining from inside and powder coated exterior.
  2. Sump Tank : Capacity - 140 ltrs. (Approx.) (0.9L x 0.4B x 0.4H mtr.)  
Material - M.S. Sheet with FRP Lining from inside and powder coated exterior.
  3. Measuring Tank : Capacity - 30 ltrs. ( Approx.)  
Material - M.S. Sheet with FRP Lining from inside and powder coated exterior.  
with piezometric tube and scale.
  4. Mono-block Pump : 0.5 HP, Single Phase, 230 V.A.C. with bye pass arrangement.  
Make : Laxmi Coimbatore / Ruby / Equivalent.
  5. Notches made up of brass plate : a) Rectangular. b) V Notch – 600 ( Deg.)  
c) Trapezoidal.
  6. Hook Gauge.
  7. Flexible Hose pipe for connecting the basic unit to the Sump Tank.
  8. Control valve for controlling the flow rate.
  9. Stop watch.
  10. A hollow square pipe frame is made for fitting the tanks, manometer and pump.

## PIPE FRICTION APPARATUS (Re-Circulation Type)

### SPECIFICATIONS

- 03
1. Pipes : ½" Dia. of MS, GI & SS connected to a common manifold.
  2. Sump Tank : Capacity- 140 ltrs. (Approx.) (0.9L x 0.4H x 0.4H mtr.)  
Material- M.S. Sheet with FRP Lining from inside and exterior powder coated.
  3. Measuring Tank : Capacity- 30 ltrs. ( Approx.)  
Material- M.S. Sheet with FRP Lining from inside and exterior powder coated.  
Piezometric tube for flow measurement
  4. Mono-block Pump : Capacity - 0.5 HP, Single Phase, 230VAC  
Make : Laxmi Coimbatore / Ruby / Equivalent.
  5. 'U' tube manometer for measuring pressure loss. (without Mercury) Material : Acrylic.
  6. Control valves for controlling the flow rate.
  7. A hollow square pipe frame is made for fitting the tanks, manometer and pump.
  8. Stop Watch.

## TILTING FLUME - 4 METERS LONG ( RE-CIRCULATION TYPE )

### 1.TILTING FLUME

- \* Size ( L x B x H) : 4m. x 0.25m. x 0.30m. ht. (Total Lt : 5.5M approx.)
- \* Material : M. S. Sheet – 18swg. Thick. Or SS sheet.
- \* Observation : 3m. x 0.25m. ht. On either side of the middle of flow channel.  
Section Acrylic sheet of 6mm. Thick.
- \* Baffle : 3 Nos. made out of perforated sheet.

### 2.GATE

- : 2 Nos
- \* Material : MS / SS Sheet, 3mm. Thick.
- \* Arrangement. : Screw type, wheel with handle.

### 3.SLOPE ARRANGEMENT

- \* Slope : 2" upwards and 4" downwards.
- \* Jack: Screw type Manually operated with handle.

### 4.POINT GAUGE

- \* Size : 350mm. Height, 0.1mm. resolution.
- \* Material : Aluminium bar.

### 5.MEASURING TANK FOR FLOW MEASUREMENT

- \* Material : M.S. / S.S.

### 6.MODELS

#### A) V NOTCH

- \* Size : 450 x 80mm. Deep.
- \* Material : Brass, 3mm. Thick.

#### B) RECTANGULAR NOTCH

- \* Size : 30mm x 80mm deep.
- \* Material : Brass, 3mm. Thick.

#### C) SHARP CRESTED WEIR

- \* Size : 3mm. Thick
- \* Material : Brass

#### D) BROAD CRESTED WEIR

- \* Size : Suitable for above flume.
- \* Material : MS / SS.

#### E) OGEE WEIR.

#### F) VENTURI FLUME

- \* Size : 800mm long x 150mm. Ht.
- \* Material : M.S. / SS.

### 7.SUMP TANK

- \* Overall size : 1.5M x 1.0M x 0.5M Ht. ( Approx.)
- \* Material : M.S. / SS.

### 8.PUMP WITH MOTOR

: Mono-block, single phase, 1.5 HP with necessary piping, control valves.

### 9.BASE FRAME.

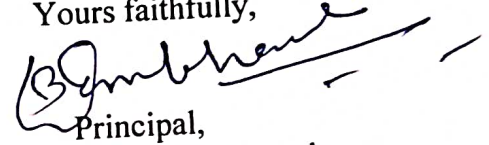
- \* Overall size : 5.5m. x 1.0m. approx.
- \* Material : M. S. Angle – 50 x 50 x 6mm.

06

PRESSURE MEASUREMENT APPARATUS ( RE-CIRCULATION TYPE )  
SPECIFICATIONS

1. Sump Tank : Made from thick MS sheet with FRP lining from inside.  
Capacity - 110 ltrs. (Approx.)
2. Mounting stand made out of M.S. Angle for fixing the devices.
3. Monobloc Pump : 0.5 HP, Centrifugal Pump, single phase, 230VAC.
4. Measuring Devices : 01. Single Well Manometer. 02. Differential Manometer.
3. Sensitive Manometer 04. Pressure Gauge 05. Vacuum Gauge.
5. Necessary Piping circuit with Pressure tapplings.

Yours faithfully,



Principal,  
Govt. College of Engineering ,  
Chhatrapati.Sambhajinagar