BHAGALPUR COLLEGE OF ENGINEERING

NH -80, SABOUR, BHAGALPUR- 813210

(Department of science & Technology, Government of Bihar)

Ref: TEQIP/cell/0215 **Dated:** 04.02.2019

Letter for Expression of Interest

Bhagalpur College of Engineering intends to procure equipments/items for **Fluid Mechanics Lab** for **Mechanical Engineering Department** under **TEQIP-III**. Scope of work is mentioned in Annexure-1. Interested vendors are requested to submit following details through mail by **10-02-2019**, at **tpobcebgp8@gmail.com.**

Information Required:

(1) Name of the firm:

(2) Complete address with pin

(3) Name of contact person

(4) Email id of the contact person

(5) Mobile no of the contact person

4/2/19

Principal

BCE, Bhagalpur

4-2-19

S. No.	Requirement	Specification	Quantity
1	Orifice & Mouthpiece Apparatus	**Specifications:** • Basic Set-up : This is the basic module required by all the experimental setups. • Storage Tank: 1000 mm x 300mm x 400 mm. Measuring Tank 300mm x 400mm x 500mm. • Collecting Tank: Size of the collecting Tank is 300 mm x 300mm x 600 mm fitted with drain valve 1" size Mano meter Tube. With marking scale. • MonoblockPump :Monoblock 1ph, ½ HP pump shall be provided with the setup which shall be mounted on the base plate. Necessary piping with by- pass valve and suction piping are provided. The connection for the test equipment is made by flexible Hose-pipe. • The Equipment: The present equipment is a set-up used to study the performance of Orifice meter & Mouth Piece. Supply along with large dual LCD with backlight, Data hold facility, Max/Min/Average value with relative time setup, USB computer interface **Range of Experiments:** The apparatus is designed to measure the co-efficient of discharge of orifice & mouthpiece.	01
2	Pitot Tube Apparatus	**Specifications:** • The Unit should consist of 1) Pitot tube for 1" pipe line 2) Pipe Line for Pitot tube 3) 0.5 HP High Head Mono block. • 300mm height Differential Manometer Supply along with large dual LCD with backlight, Data hold facility, Max/Min/Average value with relative time setup, USB computer interface Measuring Tank: 300 x 300 x 500 mm Supply Tank : 1000 x 300 x 400 mm • Instruction Manual.	01