


Notice No.: 2018-19/14A

Date: 04.08.2018

Sealed tender are invited from the reputed dealer / distributor / Manufacturer for the procurement following equipment as per the given specification. All the quotations are address to The Principal, Barrackpore Rastraguru Surendranath College. Price should be quoted including GST. The last date for submit the quotation 11.08.2018 within the college hour.

| Sl. No. | Name of experiment | Apparatus with specification | QUANTITY |
|---------|---|---|----------|
| 1 | To determine g and velocity for a freely falling body using digital timing Technique. | The apparatus consists of i. digital timer (microsecond, millisecond and second) Provision with reset, start and stop. ii. Electromagnet with power supply. iii. Iron ball, stand, scale and photo gate. | 02 SET |
| 2 | To determine the height of a building by Sextant method. | The apparatus is made of brass and complete with telescope, horizontal mirror, index mirror, graduated arc, index arm etc and stand for sextant apparatus. | 02 SET |
| 3 | To determine the elastic constant of a wire by Searle's method. | The apparatus complete with i. Two rectangular brass rod about 30 cm long fitted at their mid points by two screws fitted. ii. The rods are suspended from hooks. iii. Stand arrangement and sample wire. | 03 SET |
| 4 | To determine the value of g using Bar Pendulum. | It consists of powered coated steel bar of dimension 100x3.75x.5 cm with a number of equivalent holes drilled along its length at equal intervals of 5 cm. The pendulum is provided with two removable knife edges passing through any one of the holes. Complete with wall bracket and two removable knife edges. | 03 SET |
| 5 | To determine the value of g using Kater's Pendulum. | It consists of a scale rod of 120 cm long and 1 cm dia capable of two adjustable knife edges facing each other. The metal weights (made of cast iron) of dimension 7.5x3.75cm and 3.5x3.75cm respectively; can be made to slide along the length of the bar and can be clamped in any position. Two wooden weights exactly similar to metal weights can also slide along the bar. | 03 SET |
| 6 | To study the motion of a spring and calculate spring constant, g and modulus of elasticity. | The apparatus consists of i. spring with hanger ii. stand and scale iii. slotted weights. | 03 SET |


(Dr. Monojit Ray)

Principal
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