

**Scottish Church College**  
**1 & 3 Urquhart Square Kolkata -700 006**

**Notice for quotation**

**Ref: Tender Estate/SCC /05/2022-23 Dated 07/06/2022**

**Contact:** Dr. Jayeeta Chowdhury (Head of the Department, Physics) 9674672880, 9433178433

Appropriate quotation is invited in sealed cover from eligible bidders' /suppliers/ vendors for "Full set apparatus for determination of magnetic susceptibility of solids and liquids by GOUY BALANCE METHOD" with the following specifications:

1) Scientific Balance (Analog):

Capacity: 200 gms

Sensitivity: 1/10 mg by vernier

Beam: Hard Bronze/ Brass

Arrestment: Circular, falling away type

Air Damping: Very quick

Chainomatic Device: Gold plated chain suspended from the beam with its other end screwed on the rotating drum on which a scale graduated from 0 to 10 div each division representing 1mg is installed.

2) Paramagnetic and diamagnetic samples

3) Electromagnet:

Field Intensity: Around 9 to 10 KG

Pole Pieces: 50mm diameter

Energising Coils: Two, each with a resistance of about 3 Ohms

Power Requirement: 0-30V DC, 4A, if coils are connected in series

Weight: 33Kg

4) Constant Current Power Supply:

Current Range: 0 – 4 A

Load Regulation: 0.1% for load variation from 0 to max.

Line Regulation: 0.1% for  $\pm 10\%$  mains variation

Power: 220V  $\pm 10\%$ , 50Hz

5) Gaussmeter:

Resolution: 1 gauss at 2 kilogauss range

Range: 2KG and 20KG

Accuracy:  $\pm 0.5\%$

Temperature: Upto 40°C

Display: 3½ digit, 7 segment LED DPM with auto polarity and overflow indication

Power: 220V  $\pm 10\%$ , 50Hz

Transducer: Hall Probe-GaAs

Special Feature: Indicates the direction of the magnetic field

6) Proper stand

7) Standard weight box

This quotation is to be addressed to the Principal , Scottish Church College and has to be submitted to the Principal's office in Scottish Church College , at 1 & 3 Urquhart Square , Kolkata – 700 006, on prescribed working day between 11:00 A.M. and 3:00 P.M. The bid / tender may be submitted from 07/06/22 & close on 14/06/2022. The Selection /opening will be made at the Principal's office at 3:00 P.M. on **15/06/2022**.

The Authority of the College reserves the right / discretion for selection based on experience, amount, quality of the bid & bidder.

*Madhumañjan Mandel*  
Dr. Madhumanjan Mandal  
Principal 7/6/22

Principal  
Scottish Church College  
Kolkata