

Sacred Heart College, Thevara, Kochi – 682 013, Ph: 9446058463

6/10/2020

Tender Notice

Sacred Heart College, Thevara, Kochi, invites tenders/quotations for the purchase and installation of Flux Gate magnetometer with data acquisition unit in physics lab of Sacred Heart College Thevara. The details of the equipment is provided in the document attached.

Last date and time for submission of tender/quotation online	: 13.10.2020: 3:30 PM
Date and time of opening of tender/quotation	: After Technical Evaluation
Soft copies of the quotations to be submitted online addressed to	The Principal Principal Investigator, DST FIST Project-2018, Sacred Heart College, Thevara, Kochi – 682 013
For correspondence	Dr. Abi T G, Co-Investigator, DST FIST Project-2018, Sacred Heart College, Thevara, Kochi – 682 013; Ph. No. 9446058463 e-mail: abitg@shcollege.ac.in

Triaxial Fluxgate Magnetometer- Item Specification

SI No	Item	Quantity	SPECIFICATIONS/ COMPONENTS
1	Triaxial Fluxgate Magnetometer	1	<ol style="list-style-type: none"> 1. Environmentally sealed sensor with data acquisition unit 2. Range = ± 80000 nT (nano Tesla) or better 3. Resolution = 0.1 nT or better 4. Low noise < 10 pT (pico Tesla) or better 5. Stability < 5nT or better 6. Linearity= ± 2 nT/<20 ppm or better 7. Temperature drift <0.3 nT/ K or smaller 8. Operating temp -20°C to 50°C or better 9. Sampling rate= 100/sec or better 10. Data acquisition software should be compatible for windows or Linux. 11. Power Requirements: 240 VAC, 50 Hz. 12. Length of the connector cable should be 50 meters or longer 13. Documentations should be accompanied. 14. Minimum 1 year warranty. 15. Terms for AMC:- For 3-years after the warranty period should be provided. 16. Other accessories, including cable, extra connectors, adapters etc. if any needed for its full-functioning
2	Ruggedized Computer for data collection and display	1	4 GB RAM or better, i5 Processor or better, 1 TB Hard disk or better, Windows 10

PRINCIPAL