

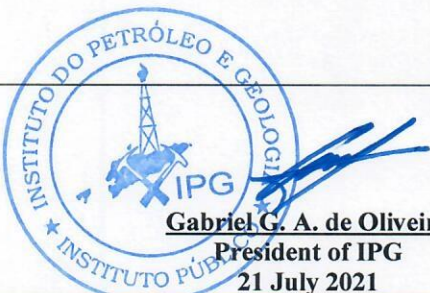


Instituto do Petróleo e Geologia – Instituto Público (IPG)

REQUEST FOR QUOTATION Supply of Portable Magnetometer

Public procurement procedure under the Decree Law No. 10/2005, of November 21, on the Provisioning Judicial Regime (PJR), as amended, and Decree-Law no. 12/2005, on the Legal Regime of Public Contracts, of 21 November, for the supply of **Portable Magnetometer** for the Institute of Petroleum and Geology, IP of the Democratic Republic of Timor-Leste.

Please provide your quotation for the supply of **Portable Magnetometer** and related services should be submitted to the Instituto do Petróleo e Geologia – Instituto Público (IPG), Rua Aimutin, Dili, Timor-Leste or by email to tlebre@ipg.tl or clopes@ipg.tl before 17:00 OTL, **04 August 2021**.

RFQ NAME	Supply of Portable Magnetometer	RFQ No.	006/IPG-PROC/VII/2021	
No	Description	Quantity	Unit Price	Total Price
1	Supply of Portable Magnetometer	1		
			TOTAL	
Delivery period <i>(to be completed by suppliers)</i>				
Final Delivery destination		Instituto do Petróleo e Geologia – Instituto Público (IPG), Rua Aimutin, Dili, Timor-Leste		
Warranty Period <i>(To be completed by suppliers)</i>				
Quotation validity period		60 days		
Manufacturers Authorization		Required		
Performance Security		5% of the total amount of the contract must be provided until goods are received by purchaser and will return it to vendor once the date of contract terminated.		
 Gabriel G. A. de Oliveira President of IPG 21 July 2021		(sign & stamp) Vendor's Authorized Officer Date		
We certify that we comply with eligibility requirements of instructions to vendor's clauses 2 ^a to 2d. (Overleaf). If our offer is accepted, we undertake (a) to deliver goods & services in accordance with our offer above (b) to abide by this quotation for the Validity Period stated above.				



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Specifications Required

portable magnetometer

Specifications

G-859AP-SX or equivalent, mining-mag cesium portable magnetometer system with integrated GPS. Includes data acquisition console for display of X-Y grid position and magnetic data and indication of receiving GPS data, cesium sensor, sensor staff, inter-connecting cables including RS-232 output cable, carrying harness with non-magnetic backpack, rechargeable Gel-Cell battery (2), AC/DC battery charger, operation manual and reusable shipping/carrying case.

- Operating Principle: Self-oscillating split-beam Cesium Vapor (non-radioactive Cs-133) with automatic hemisphere switching.
- Operating Range: 20,000 nT to 100,000 nT.
- Operating Zones: For highest signal-to-noise ratio, the sensor long axis should be oriented at $45^\circ, \pm 30$ to the earth's field but operation will continue through $45^\circ, \pm 35^\circ$. Sensor is automatic hemisphere switching.
- Noise: $< 0.02 \text{ nT} / \sqrt{\text{Hz}_{\text{rms}}}$
- Heading Error: $< 1.5 \text{ nT}$ including backpack and GPS.
- Gradient Tolerance: $> 500 \text{ nT/in}$ ($> 20,000 \text{ nT/m}$).
- Temperature Drift: $< 0.05 \text{ nT}/^\circ\text{C}$.
- Cycle rate: variable from 0.2 sec. to 1 hr in 0.1 sec steps or by external trigger.
- Data Storage: Non-volatile RAM with capacity for 8 to 12 hrs of magnetometer, time, event marks, field notes and XYZ or GPS locations.

Audio Output

1. Audio tone of field variation; pitch and volume adjustable. (Search mode).
2. Audio pulse each 1 second (pace metronome).
3. Alarm for loss of signal, low battery or quality control setting exceeded.

Data Output

Three-wire RS-232 standard serial port, optional continuous real-time transmittal of data via RS-232 to PC. Total memory output transfer time less than 5 min at 115,200 baud.

Visual Output

- 320 x 200 graphic liquid-crystal display, daylight-visible with selectable outputs for: Display of up to 5 stacked profiles, real time or review mode. Survey grid showing boundaries and position.
All system set-up functions, e.g., memory status, data transfer, sample time.
All survey set-up functions, e.g., survey profile number and direction, station number or GPS data transfer protocol, line number.
Survey monitoring functions, e.g. total field, noise level, profile number or x-y coordinates.

Internal Clock

- Resolution of 0.1 sec, drift: $< 1 \text{ sec/day}$

Power

- 24 VDC rechargeable gel cell, 5 hrs for Mag w/GPS. Magnetic effect less than 1.5 nT at 4 ft.
- Internal backup battery for clock and non-volatile RAM.

Operating Software: supplied as part of the basic system and including function for:

- Survey Modes: Search survey - Simple survey - Mapped survey, station or continuous - Base station.



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- Data acquisition/display: Acquire and store data and survey functions. Display profiles, total field to 0.1 nT resolution, survey / map parameters and diagnostics.
- Post-acquisition Software
- MagMap2000 software for installation on customer's computer.
 - Data transfer and corrections:
 - a. Transfer of data from field Magnetometer, GPS, or Base station to PC.
 - b. Diurnal correction using base station data.
 - c. Processing the corrected data into ASCII values of X-Y-Z. 2.
 - Data processing functions include spike editing, spline filtering, repositioning of X, Y, Z or GPS Lat/Long, conversion to UTM coordinates, profile and contour map plotting.
- Mechanical sensor: 2-3/8'' dia., 6-3/4'' long, 12 oz (6cm x 15cm x 340cm grams)
Backpack: Backpack for magnetometer, 4.3 kg (9.5 lb).
Includes nylon chest harness with all cables attached (1 kg to 1.3 kg)
- Battery: 3'' H, 5'' W, 8'' L, 3.5 lbs (8cm x 13cm x28cm, 1.6kg), attached to battery bell and harness.
 - Magnetic affect less than 1 nT at 4 ft
- Environmental
- Operating Temperature: -25°C to +50°C (-13°F to + 122°F).
 - Storage Temperature: -35°C to + 60°C (-30°F to + 140°F).
 - Water Tight: Weatherproof in driving rain.
 - Shock: Survives a 3 ft drop onto a hard surface.



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Instruction to Vendors

1. **Scope**
 - a. The purchaser is the Instituto do Petróleo e Geologia – Instituto Público (IPG), Rua Aimutin Comoro, Dili, Timor-Leste.
 - b. This request for Quotation applies to the purchase of **Portable Magnetometer** and related services.
2. **Vendor Eligibility – The vendor’s firm must**
 - a. Be a bona fide business unit known by the Purchaser to be suitably qualified, experienced and financial resourced (Profile Company includes; copy of Valid Business Registration, copy of Valid Certificate of Debt, copy of Tax Identification Number, copy of Bank Statement and copy of contract for similar project with government and agencies client).
3. **Responding to the Request for Quotation**
 - a. The Vendor shall verify the description and specification of all items.
 - b. The vendor shall enter unit prices and total price on the Request for Quotation form.
 - c. The Vendor shall verify its agreement with stated provisions for quotation validity, delivery period, warranty period, manufacturer’s authorization and performance security. All variations from stated conditions shall be explained in a covering letter.
4. **Quotation Price:**
 - a. All prices should be quoted in US Dollars include 10% of tax to Timor-Leste Tax Authority.
 - b. Prices shall be fixed for the duration of the specified period for delivery.
 - c. Unless otherwise stated, the quotation shall be for the fully quantity stated on the Request for Quotation.
5. **Quotation Submission**
 - a. Suppliers may present more than one quotation, as long as it is for different goods that correspond to a similar description or specification.
 - b. Quotation should be submitted to the **Instituto do Petróleo e Geologia – Instituto Público (IPG), Rua Aimutin Comoro, Dili**, or by email no later than the specified time and date.
 - c. The procurement service reserves the right to retain and open late quotations if the number of quotations received is less than three.
 - d. The language shall be: **English**.
 - e. The result of the quotation evaluation shall be advised, denoting the successful vendor and unsuccessful vendors.
6. **Quotation Evaluation and Contract Award**
 - a. Quotation shall be evaluated to establish substantial responsiveness to eligibility requirements, technical description/specification, quantity and commercial conditions.
 - b. Award notification shall be effected through the issuance of a Purchase Order by the Purchaser.
 - c. The vendor shall confirm acceptance of the Purchase Order by email or by taking the Order in Original.
 - d. Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations, or to cancel the quotation process at any time prior to award.
7. **Performance Security**
 - a. If a Performance Security is required, the Purchaser shall issue a Letter of Acceptance which shall serve as notification of award.
 - b. The vendor shall provide a Performance Security within seven days, in the amount specified in the Request for Quotation.

For notices the Purchaser’s address shall be:

Instituto do Petróleo e Geologia – Instituto Público (IPG)

Rua. Delta 1, Aimutin, Comoro, Dili, Timor-Leste

City: Dili

Country: Timor-Leste

Electronic mail address: tlebre@ipg.tl or clopes@ipg.tl

Rua : Delta 1, Aimutin, Comoro
Dili, Timor Leste
Telp. (670) 3310-179
Website: www.ipg.tl



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8. Payment

Payment shall be made in following manner:

- a. 100 (hundred) percent of the Contract Price of Goods shall be paid within thirty (30) days of presentation of claim supported by a certificate completion from the Purchaser declaring that the Goods have been delivered and that all other contracted services have been performed.
- b. The currency for payment shall be: **US Dollars only.**

9. Corrupt & Fraudulent Practices

The purchaser requires that Vendors observe the highest standards of ethics during the procurement and execution of RDTL government contracts, to the extent that corrupt, fraudulent, collusive and coercive practices and conflict of interest occurring in quotation, delivery and completion processes may result in disqualification, termination of purchase order and penal sanctions.

