



Republic of the Philippines
 Province of Surigao del Sur
 City of Bislig

INVITATION TO BID

The Local Government Unit of Bislig City, through its Bids and Awards Committee (BAC) invites PhilGEPS registered Supplier's to apply for eligibility and to bid for the hereunder project:

Name of Project : **Supply and Delivery of GPS-GNSS Receiver (Surveying Equipment)**

Location : **City Engineering Office**

Brief Description :

QTY	UNIT	DESCRIPTION
1	Set	<p>GPS/GNSS Receiver (Survey equipment) 1x Unit Compact Ruggedized Multi frequency GNSS receiver (Fixed base) Specifications: -Quad-constellation, multi-frequency all in view RTK viewer -Robust and compact IP68 weatherproof housing -AIM+ interference monitoring and mitigation system -Base and rover operation -Bluetooth, Wi-Fi, Ethernet, serial and usb communications -With at least 400 hardware channels for simultaneous tracking of all visible satellite signals -Supported signals: GPS, GLONASS, Galileo, BeiDou, SBAS, IRNSS, QZSS & Integrated dual-channel L-band receiver -RAIM (Receiver Autonomous Integrity Monitoring) -It can operate in RTK rover or base station mode and with an on-board 16GB memory, it can log data for offline post processed PPK -Connectivity -3 hi-speed serial ports -Ethernet port (TCP/IP, UDP, LAN 10/100Mbps) -power-over-Ethernet -1 full-speed usb device port -1 usb OTG port -2 event markers -xPPS output (max. 100Hz) -Integrated Bluetooth (2.1 + EDR/4.0) -Integrated Wi-Fi (802.11 b/g/n) -NTFRIP (server, client, caster) FTP server, FTP push, SFTP -2 simultaneous logging sessions -16 GB internal memory -Accuracy: -Position: Standalone horizontal - 1.2 m; vertical -1.9 m / SBAS horizontal - 0.6m; vertical 0.8 m / DGNS horizontal - 0.3m; vertical 0.7m -RTK performance: horizontal - 0.6 m + 0.5 ppm; vertical - 1 cm + 1 ppm; Initialization: 7s -Velocity: 0.03 m/s -Static and rapid static: Horizontal - 3 mm + 0.5 ppm; vertical - 5 mm + 0.5 ppm -Static high precession: Horizontal -3 mm + 0.1 ppm; vertical 3.5 mm+ 0.4 ppm -IP68 rating -Accessories: 1 x power cable/adapter</p> <p>1 x Unit High Precision full GNSS Spectrum Antenna Specifications: -Multi-constellation tracking: GPS, Galileo, GLONASS, BeiDou, IRNSS and QZSS -Reception of Inmarsat L-Band signals compatible with SECORX correction services -Superior multipath characteristics -Ruggedized design -Signals: L-Band (MSS); GPS L1, L2, L5; GLONASS L1, L2, L3, Beidou</p>

		<p>B1, B2; Galileo E1, E5a, E5b; SBAS L1, L5, IRNSS L5; QZSS L1, L2, L5 -Frequencies: 1525-1610 MHz; 1160-1252 MHz -Polarization: RHCP -Axial Ratio: 3 db Max -Radiation Coverage: Zenith 6.0 dBic; 15 degrees elevation -2.0 dBic; 10 degrees; 5 degrees elevation -4.0 dBic; Horizon -5.0 dBic -Physical and Environmental: Finish – Weatherproof polymer; Connector - TNC Female; Temperature -50 degrees C to + 70 degrees C; -58 degrees F to 158 degrees F -Accessories: 1 x Tier 3 Monument; 15m Antenna cable</p> <p>1 x Set Compact GNSS/RTK Rover for surveying and for GIS application Specifications: -Robust light and portable GNSS receiver -Quad-constellation, multi-frequency all-in-view RTK positioning -AIM + anti jamming and monitoring system -Easy setup and one-touch logging -All in one base and rover operation -With at least 400 hardware channels for simultaneous tracking of all visible satellite signals supported signals -Supported signals: GPS: L1, L2, L5; GLONASS: L1, L2, L3; Galileo: E1, E5a, E5b, AltBoc BeiDou: B1, B2; SBAS: EGNOS, WAAS, GAGAN, MSAS, SDCM (L1, L5); IRNSS: L5: QZSS: L1, L2, L5 -Connectivity: Integrated Bluetooth (2.1 + EDR/4.0); Integrated wifi (802.11 b/g/n) access point and client mode; 4G LTE, 3G UMTS/HSPA, 2G Quad band GPRS/EDGE Dynamic; DNS2 and remote access to receiver; NTRIP (v1 and v2) client, server and caster: Direct IP and Data call CSD calling and accepting mode; 1 x 9-pin Lemo connector for Full speed USB (host - with access to internal disk, TCP/IP communication and with 2 extra serial ports) 1 high-speed serial port (RS232) ideal for external UHF radio or custom integrations -Data storage: 16GB internal memory -Performance: -Position accuracy - standalone: horizontal 1.2m - vertical 1.9 m; SBAS: horizontal 0.6 m - vertical 0.8 m; DGNSS: horizontal 0.3 m - vertical 0.7 m -RTK performance: Horizontal accuracy 0.6 cm + 0.5 ppm; vertical accuracy 1cm + 1 ppm -Velocity accuracy: 3 CM/S -Static and rapid static: horizontal - 3 mm + 0.1 ppm; vertical - 3.5 mm + 0.4 ppm -Maximum update rate: position (standalone, SBAS, DGNSS) 20Hz, position (RTK) 10 Hz; 20Hz measurements only -Physical and environmental: -Internal battery: 4 x Lithium-Ion batteries; battery life: 6 hours or higher battery charge (4-battery capacity) operating temperature: - 30 degrees C to 75 degrees C or (-22 degrees F to 167 degrees F); shock/drop: at least 2m; waterproofing: IP 67 or higher -Compatible software: -Embedded Web UI with full control and monitoring functionality; Support for a large variety of survey, GIS and post-processing software applications; Mobile Pinpoint-GIS app for basic data collection, easy monitoring and control allowing overriding location of Android GNSS applications -Accessories: 1 x Carbon fiber pole; 2 x battery; 1 x battery charger</p>
1	Set	<p>1 x Unit rugged handheld tablet controller with detachable keyboard attachment specifications: -Processor: 4 cores, 4 threads; base freq. 1.30Ghz - burst freq. 1.80Ghz; 2 MB cache or higher -OS: Windows 10 -Memory and Data storage: 4 GB ram; 128 GB flash storage; user-accessible micro SDXC card slot GRAPHICS; HD graphics -Display: 7 in. active viewing area; resolution WXGA (1280 x 800); high-visibility backlit LCD for best-in-class sunlight viewability; Automatic Screen rotation -Touchscreen: Projected capacitive multi-touch interface for use with gloves, small tip stylus, and in wet conditions; Optically bonded for increased visibility and strength; chemically-strengthened cover glass for</p>

		<p>excellent impact and scratch resistance</p> <ul style="list-style-type: none"> -Keyboard: Adjustable LED backlit keys; four-way directional navpad; windows/Home key, power key, enter key, user-programmable function keys -Ports: USB 3.0 x 1; 3.5mm audio jack; 12 VDC power input jack, docking port connections (Pwr, USB 2.0, & HDMI); Loud output speaker for noisy environments; dual digital microphone input for improved clarity; 9-pin d-sub connector with 5VDC power output -Battery: Removable Li-Ion, 40 to 43 Whr. that can operates 8-10 hours on one charge -Physical: Durable, chemical and shock resistant design; easy to grip and impact absorbing; IP68 waterproof and dustproof, shockproof; multiple drops from 4ft (1.2 - 1.5 m) onto concrete -Camera and GPS: Rear: 8MP with LED illumination; Geotagging: GNSS position GPS/GNSS; 2 to 5 meter typical accuracy; 70 GNSS tracking channels or more -Wireless connectivity: Long-range Bluetooth smart ready wireless technology; wi-fi 802.11 a/b/g/n, 2.4GHz and 5 GHz, 4G LTE, GSM -Accessories/Add-ons: <ul style="list-style-type: none"> -AC wall charger with international plug kit -Capacitive small-tip stylus & tether -Hand strap -Connector port dust cover -Rugged detachable keyboard: special functions and symbols; backlit alphanumeric QWERTY keyboard; IP68 dustproof and water proof -Flip cover case to provide additional protection to tablet while in use -1 x lifetime licensed Civil Processing software (To be installed to PC) -1 x extra battery for controller -Training for 15 pax CEO personnel with training certificate
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Approved Budget
For the Contract : **P 1,800,000.00**

Source Funds : General Fund

Delivery Period : 15 C.D.

Prospective bidders should have completed a similar project within the last 5 years with an amount of at least 50% of the proposed project for bidding. The Eligibility Check/Screening as well as the Preliminary Examination of Bids shall use non-discretionary “pass/fail” criteria. Post-qualification of the lowest calculated bid shall be conducted.

All particulars relative to Eligibility Statement and Screening, Bid Security, Performance Security, Pre-Bidding Conference, Evaluation of Bids, Post-qualification and Award of Contract shall be governed by the pertinent provisions of R.A. 9184 and its Implementing Rules and Regulation (IRR).

The complete schedule of activities is listed, as follows:

Activities	Schedule
1. Issuance of Bid Documents	January 04, 2021 – January 26, 2021
2. Pre-bid Conference	January 12, 2021 @ 1:30pm
3. Opening of Bids	January 26, 2021 @ 1:30pm
4. Bid Evaluation	January 28, 2021 @ 1:30pm
5. Post-qualification	February 02, 2021 @ 1:30pm
6. Notice of Award	February 05, 2021

Bid Documents will be available only to prospective bidders upon payment of a non-refundable amount of P 5,000.00 to the LGU Bislig City Cashier.

The LGU Bislig City assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of the bid.

The BAC of Bislig City reserves the right to accept or reject any bid, to annul the bidding process, and to reject all Bids at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.

Approved by:

Dates of Publication: _____
Newspaper: _____

(SGD.) ENGR. ROMULO C. GARAY
BAC Chairman