بسم الله الرحمن الرحيم

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		• ހުންނަން ބޭނުންވާ ބަންދުތައް ބަންދުކުރުން ބެލެހެއްޓުން ހިންގުން ހިންގުން ؛ • ބަންދުތަކުން ފެންނަން ދާ ބަދަލުތަކުން، ބަދަލުކުރެއްވި ހުންނަ ބަންދުތަކުން ؛ • ބަންދު ހުންނަން ބޭނުންވާ ؛ ؛ ؛

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ښوګښوګ 1: ړګړګ ګړګړګړګ ګړګ ړګړګړګ

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ښوګښوګ 2: ړګړګړ ګړګښ ړګړګړګړ ړګړګړګړګړګ ړګړګړ

Price (inc. GST) with termination	80%	Bidder with the lowest price will be awarded highest points and the rest will be determined by fraction matrix basis
Delivery (days)	10%	Bidder with the lowest number of delivery days will be awarded highest points and the rest will be determined by fraction matrix basis. (This includes installation of CORS)
Product Warranty (Years)	10%	Bidder with the highest number of years for product warranty will be awarded highest points and the rest will be determined by fraction matrix basis.

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CORS Station Specifications

- Establishment of a **Continuously Operating Reference Station (CORS)**, only if a CORS is currently not operated within 50km from the island/site
  - Provide the hardware required for the establishment CORS
  - Traveling to location and installed the station
  - Maintenance of CORS station and ensuring undisrupted service.
- Key features
  - GNSS Receiver
    - 624 Channels
    - GPS, GLONASS, Galileo, BeiDou, SBAS, QZSS
    - Network RTK with Horizontal: 10 mm + 0.5 ppm RMS, Vertical: 15 mm + 0.5 ppm RMS
    - Less then 10 seconds initialization time for RTK with greater than 99% reliability
    - Capable of operating minimum of 2 casters streams
    - Remote connectivity over internet
    - Remote maintenance and updates
    - Internal battery with greater than 12 hours of operation on battery
    - Internal sim card slot with 4G connectivity
    - RS-232, USB and LAN ports with simultaneous transmission of multi data streams
    - Correction formats: CMR, CMR+, SCMRX, RTCM2.x, RTCM 3.x, RTD
    - Internal Storage greater than 20 GB and external storage expansion
    - Bluetooth and WI-FI with AP mode ✦ Internal UHF radio
  - GNSS Antenna
    - Choke ring (Radome)
    - Tracking
      - GPS L1 + L2 + L5
      - GLONASS L1 + L2 +L3
      - BDS B1, B2, B3
      - GALILEO E1, E5A, E5B, E6
      - SBAS
    - IP67 waterproof and dustproof, protected from temporary immersion to depth of 1 m

GNSS Receiver Specification

GNSS Receiver shall include Base + Rover or Net Rover (CORS correction).

- Key features:
  - 1408 channels
  - GPS, GLONASS, Galileo, BeiDou, SBAS, QZSS
  - 8 mm horizontal and 15 mm vertical accuracy on RTK
  - 3 mm horizontal and 5 mm vertical accuracy on PPK
  - 2.5 mm horizontal anda 5 mm vertical accuracy on post-processing static
  - Less than 1 second signal re-acquisition
  - Less than 45 seconds time to fix from a cold start
  - 200 Hz IMU with 30-degree tilt
- Hardware
  - Lightweight- less than 1200 g
  - Small physical footprint – smaller than 160 mm x 90 mm
  - Front OLED colour display
  - Operates at temperature up to 65 Degrees Celsius and 100% humidity
  - IP67 water and dust resistant
  - Protection from temporary immersion to depth of 1 m
  - Survive 2-m pole drop
  - Calibration-free IMU for pole tilt compensation.
  - Immune to magnetic disturbance
  - E-bubble levelling
- Communication
  - sim card with integrated 4G modem
  - Wi-Fi with internet sharing over access point mode
  - Bluetooth
  - UHF antenna support for RTK correction over radio
  - RS-232 port
  - USB type-c
  - All modern data formats supported
  - NMEA out via Bluetooth, Wi-Fi and RS-232

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Field Data Collection Software Specifications

- Support Android OS
- Hydrographic survey module must be included in the field data collection software ○ License shall include all feature; Setting out, Line setting out, surface setting out, CAD setting out, Point Survey and map viewer.
- Remote support and cloud services ○ Real time base maps; Google Maps and Bing Maps ○ Supports CAD files for stake out and base Maps
- Supports all hardware and other peripheral instruments such as total station, generic NMEA0183 receivers, pipeline detector and laser rangefinder and Bluetooth echo sounder
- Supports APIS, NTRIP UHP protocols

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