



සමුදායාදාන සම්මන්ත්‍රණය

ධිග්ගරු කවුන්සිලයේ සාමාජිකයන්ගේ සහයෝගයෙන් සිදු කළුණු සේවාවක් සැපයීම.	දිනය: 15 ඔක්තෝබර් 2023
368/2023/P-004	සංඛ්‍යා: 368/2023/P-004
(IUL)368-AS/368/2023/8	සංඛ්‍යා: (IUL)368-AS/368/2023/8
15 ඔක්තෝබර් 2023	සංඛ්‍යා: 15

සමුදායාදාන සම්මන්ත්‍රණය:

ධිග්ගරු කවුන්සිලයේ සාමාජිකයන්ගේ සහයෝගයෙන් සිදු කළුණු සේවාවක් සැපයීම.	දිනය: 26 ඔක්තෝබර් 2023
26 ඔක්තෝබර් 2023	සංඛ්‍යා: 26
10:00	වේලාව: 10:00

ධිග්ගරු කවුන්සිලයේ සාමාජිකයන්ගේ සහයෝගයෙන් සිදු කළුණු සේවාවක් සැපයීම.

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 uninterrupted 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 than 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 and 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

Rugged field Controller Specifications:

- System
 - OS Android 10
 - MicroSD expansion
 - Keypad with touch screen
- Hardware
 - Light weight less than 500 g
 - IP67 dust and water resistant
 - IPS LTPS LCD capacitive multitouch panel
 - Nano-sim Card with 4G modem
 - Wi-Fi 5 and Bluetooth 5
 - NFC
 - USB type-c with OTG
 - More than 10 h of continuous use
 - Camera, G-sensor, Gyroscope, E-compass, Light sensor, Speaker and microphone

