

Specification for GNSS High Precision RTK Receiver Package

Specification description	Minimum Requirement			
		Yes	No	Remarks
Brand Name	Please Specify			
Model	Please Specify			
Year of Manufacture	Please Specify			
Country of Manufacturer	Please Specify			
Model Availability	Do not quote discontinued Model			
Item 1 - GNSS receiver Specifications				
Channels	More than 1400 channels for GPS, GLONASS, Galileo BEIDOU and QZSS, SBAS			
Satellite Tracking	GPS: L1C/A, L2C, L2P(Y), L5 GLONASS: G1, G2 BEIDOU: B1I, B2I, B3I, B1C, B2a Galileo: E1, E5a, E5b QZSS: L1C/A, L2C, L5 SBAS: L1C/A Others: Specify			
Positioning Accuracy (RTK)	8 mm +1 ppm Horizontal 15 mm + 1 ppm Vertical			
Standalone	1.5m 3D RMS			
Battery	Minimum 7.4v, 1800mah			
Battery runtime	More than 8 hours			
Charging time	specify			
Port & Communication	Data format- NMEA-0183 Correction- RTCM 3.X Data Update- 5Hz SIM Card- Micro SIM card, Global 4G Bluetooth- BR+EDR Network- Multi network compatibel - LTE FDD: B1,B3,B5,B8 LTE TDD: B34,B38,B39,B40,B41			
Physical and Environmental	Weight and Dimension – Specify Working Temperature – -20 °C to +55 °C Water/Dust Protection- IP67			

Others features	LED Indicator in Receiver- Power,Satellites,Data link,,Bluetooth and more if available Certificates- CE,IEC Specify if more available and should be attached			
Item 2. Data Logger (Controller) and Data collection field software				
CPU	8-core processor 2.0GHz or more			
Operating System	Android 11 or more			
ROM	32GB or more			
Display Resolution	Minimum 720x1440			
Display Size	Minimum 5.5 inch			
RAM	3GB or more			
Extension(SD card)	Up to 256 GB or more			
Rear Camera	13M			
Battery	3.8v/7700mAh built-in battery or more			
Working hours	More than 15 hours			
Dust and water	IP67			
Operating temperature	-20°C~ +50°C			
Weight and Dimension	Please specify			
WIFI	IEEE 802.11 a/b/g/n/ac, 2.4GHz/5GHz			
SIM Card	2 Nano-SIM Card slots Dual SIM & Dual Standby			
Network	LTE FDD, LTE TDD. WCDMA, GSM, CDMA			
Bluetooth	BT 5.0 BLE			
NFC	ISO 14443A/B, ISO15693 (Data Reading Distance: 0-5 cm)			
Port	Type C or USB and support OTG			

Data logger/Controller Field Data Collection software- Should available SLD 99 coordinate system or can create new coordinate systems based on National grid SLD 99 parameters, Metric and imperial units, Map View with satellite image, Drawing function(Lines, area			
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Calculation, area sub division ..etc), Conversion, Data Import and Export, Standard and New Survey Function likes Points Data collection, Setting out points, Lines and Arcs, Intersection, offset, and must be able to support to collect customized attributes (Please specify if available more)			
Warranty, Training and supplier experience			
Local agent	Should be a Local agent and MA certificate should attach		
Past Experience	<ul style="list-style-type: none"> • Bidder should have at least 7 years of experience in GNSS survey equipment selling. • Should sell more than 200 Nos of quoted brand GNSS receiver units in Sri Lanka 		
Service Center And after sales service	<ol style="list-style-type: none"> 1. Should available qualified technical staff 2. Recognized service center of Manufacturer 3. At least one person should be trained in service of the quoted brand. Factory Training certificate should be provided. 		
Training	Should arrange in our request premises and training schedule should provide-02 Days		
Warranty	2 year for all items		