



PROJECT NO.

PROJECT TITLE

PURCHASE OF MULTI-FREQUENCY RTK/GNSS FIXED BASE REFERENCE RECEIVER

OWNER

GENERAL SANTOS CITY WATER DISTRICT

TECHNICAL SPECIFICATIONS

The scope of work for this project shall be supply, delivery, installation, configuration and testing of compact RTK/GNSS Fixed Base Reference Receiver and software with complete accessories to General Santos City Water District

Item No.	Specifications	Statement of Compliance
1	MULTI-FREQUENCY RTK/GNSS FIXED BASE REFERENCE RECEIVER	
	Track all visible GNSS signals: GPS, GLONASS, Galileo, BeiDou, IRNSS, QZSS and SBAS	
	High-precision, low-noise measurements	
	Best in class interference monitoring and mitigation	
	Low and scalable power consumption	
	Powerful Web UI and logging tools	
	Logging up to 24 parallel data records	
	Logging both internally and to an external device	
	544 hardware channels for simultaneous tracking of all visible satellite signals	
	A Posteriori Multipath Estimator (APME+) including code and phase multipath mitigation	
	AIM+ interference unit mitigates against wide and narrow-band interference	
	Spectrum Analyzer	
	PPP for seismic applications (optional feature)	
	16 GB standard on-board logging	
	Up to 24 logging sessions	
	Advanced Web UI providing all receiver control, and status monitoring	
	The RF spectrum can be viewed on the Web UI in realtime in both time and frequency domains	
	With Integrated mechanical and environmental spectrum Antenna	
	Broadcast tracking elevation (0°-180°)	
	Polarization RCPH	
	IGS Model Available	



	Noise figure 2.0dB typ. At 25°C/77 F	
	Temperature range +12dBm	
2	OTHER REQUIREMENTS	
	Unit/equipment must have a two (2) years warranty against factory defects	
	Must include Three (3) years Free calibration, upgrades and updates	
	With Local Service Center Certified by the Manufacturer (Located in the Philippines)	
	Supplier must have a Certificate Of Good Performance for GNSS/RTK Fixed based installation in the Philippines.	
	Supplier must have a certificate of completion for Continuously Operating Reference Stations that Installed in Philippines	
	Supplier must have an Exclusive Distributor Certificate from the manufacturer (Apostille Certificate attached).	
	For compatibility, maintenance and after-sales support, the supplier shall have a local service center certified by the Manufacturer for new and existing GNSS/RTK unit of GSCWD.	
	Project Duration is only forty-five (45) calendar days including supply, delivery, installation, configuration and testing	

Prepared by:

TECHNICAL WORKING GROUP FOR GEOGRAPHICAL INFORMATION SYSTEM

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