



PROJECT NO.

PROJECT TITLE

COMPACT GNSS/RTK & ROVER

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 GNSS/RTK Geographical Positioning System and software with complete accessories to General Santos City Water District.

Item No.	Specifications	Statement of Compliance
1	COMPACT GNSS/RTK ONE (1) ROVER WITH GIS APPLICATION	
	Quad-constellation, multi-frequency all-in- view RTK Positioning	
	AIM+ anti-jamming and monitoring system.	
	448 channels	
	GPS: L1, L2, L5 GLONASS: L1, L2, L3 Galileo1: E1, E5a, E5b, AltBoc BeiDou: B1, B2 SBAS: EGNOS, WAAS, GAGAN MSAS,SDCM (L1, L5)	
	IRNSS1: L5 QZSS: L1, L2, L5	
	AIM+ unique anti-jamming and monitoring system against narrow and wideband interference IONO+ advanced scintillation mitigation APME+ a posteriori multipath estimator for code and phase multipath mitigation RAIM (Receiver Autonomous Integrity Monitoring)	
	LOCK+ superior tracking robustness under heavy mechanical shocks or vibrations	
	16 GB Internal memory	
	Shock/Drop 2m(6.6ft)	
	Embedded Web UI with full control and monitoring functionality, On board data collection using either PinPoint-GIS CSV point data collection or Esri's	
	Lightweight and ergonomic design IP67 waterproof and dustproof	
2	RUGGED HANDHELD TABLET CONTROLLER	
	Microsoft® Windows 10 runs all Windows 64bit programs	



	8 GB RAM (LPDDR3) 128 GB storage Intel® HD Graphics	
	Durable, chemical- and shock-resistant design	
	Lightweight and ergonomic design IP68 waterproof and dustproof Shockproof: multipath drops GPS/GNSS (GEOMODELS) 2 to 5 meter typical accuracy 72 GNSS tracking channels	
3	LIFETIME LICENSE FIELD DATA CONTROLLER SOFTWARE	
4	CARBON FIBER POLE	
5	PELICAN CASE	
	OTHER REQUIREMENTS	
	Unit/equipment must have a one (1) year warranty against factory defects	
	Actual demo connection is a must. With an after Sales Support. Conduct of hands-on training on Hardware and Software (office & field) including assemble/disassemble	
	Must include Three (3) years Free calibration, upgrades and updates	
	Software must be lifetime licensed with no subscription	
	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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