

Purchase Request No.: 25GI043

Contract Name: Purchase/delivery of one (1) unit Global Navigation Satellite System Equipment for use at QAHD, DPWH Regional Office VIII, Baras, Palo, Leyte

ABC: Php 3,500,000.00

Location of the Contract: DPWH Regional Office VIII



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE VIII
Baras, Palo, Leyte



BID BULLETIN No. 25-G-003

June 16, 2025

SUBJECT: AMENDMENTS IN THE TECHNICAL SPECIFICATIONS FOR PR NO. 25GI043

This Bid Bulletin No. 25-G-003 is being issued for amendments in the Technical Specifications for PR No. 25GI043, viz:


ORIGINAL (From)	REVISED (To)
Name of Equipment: GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) EQUIPMENT	
<i>Receiver (Base/Rover)</i>	<i>Receiver (Base/Rover)</i>
Multi-frequency (Capable of receiving multitude of signals from any GNSS System)	Multi-frequency (Capable of receiving multitude of signals from any GNSS System)
Measurement Capability - Single Base RTK, Network RTK and PPK	Measurement Capability - Single Base RTK, Network RTK and PPK
Integrated Transmit and Receive Data Link	Integrated Transmit and Receive Data Link - Tx/Rx: 2W
Base and Rover interchangeable (Same brand and model)	Base and Rover interchangeable (Same brand and model)
Satellite Tracking - GPS, GLONASS, BEIDOU, GALILEO, QZSS, SBAS	Satellite Tracking - GPS, GLONASS, BEIDOU, BEIDOU GLOBAL SIGNAL, GALILEO, QZSS, IRNSS, SBAS & L-BAND
No. of Channels - 440 channels (min.)	No. of Channels - 1668
High Accuracy Static (RMS) - Horizontal: 3 mm \pm 0.1 ppm Vertical: 3.5 mm \pm 0.4 ppm	High Accuracy Static (RMS) - Horizontal: 3 mm \pm 0.1 ppm Vertical: 3.5 mm \pm 0.4 ppm
Static and Fast Static (RMS) - Horizontal: 3 mm \pm 0.5 ppm Vertical: 5 mm \pm 0.5 ppm	Static and Fast Static (RMS) - Horizontal: 3 mm \pm 0.5 ppm Vertical: 5 mm \pm 0.5 ppm
Real Time Kinematic (RTK) - Horizontal: 8 mm \pm 1.0 ppm Vertical: 15 mm \pm 1.0 ppm	Real Time Kinematic (RTK) - Horizontal: 8 mm \pm 1.0 ppm Vertical: 15 mm \pm 1.0 ppm
	Hi-Fix - RTK Accuracy + 10mm RMS
Equipment Time to Fix - 15secs (max.)	Equipment Time to Fix - Less than 10 sec. (min)
Battery life - 6 hours (min., single/multiple, hot-swappable)	Battery life - Not less than 24 hours typically
Dust/Water Protection - IP67 (min)	Dust/Water Protection - IP68, protected from temporary immersion to depth of 1 m
Communication - Bluetooth, Wi-Fi, USB, Cellular	Communication - Bluetooth, Wi-Fi, USB, Cellular
	Internal Storage - 32 GB (min)

	Internal UHF - 2W adjustable (min)
	Internal Radio Range - 15 km (min)
	Tilt Sensor - IMU
	Tilt Angle - 120 deg. (min)
	Tilt Accuracy - 25 mm @ 60 deg.
	Laser Measurement - Built-in
	Laser Measurement Range - 50 m (min)
	Cameras - Dual cameras with global shutter Field of View: 75° Stakeout accuracy: 1cm
Field Controller	Field Controller
Same brand as the receiver or with Certification of compatibility from the manufacturer of main equipment	Same brand as the receiver or with Certification of compatibility from the manufacturer of main equipment
Operating System - Windows/Android OS	Operating System - Android 12.0 OS
Screen size - 7" (min), colored	Screen size - 7" (min), colored
	Keypad - QWERTY with white backlight
Internal Storage - 32 GB (min)	Internal Storage - 32 GB (min) extended up to 128GB
External Storage - 32 GB (min)	External Storage - 32 GB (min)
RAM - 4 GB (min)	RAM - 4 GB (min)
Dust/Water Protection - IP67 (min.)	Dust/Water Protection - IP67 (min.)
Camera - 8MP (min.)	Camera - 13 MP with Auto-focus (min)
Battery Life - 8hrs (min./ single/multiple)	Battery Life - 8hrs (min./ single/multiple)
	Internal Memory (ROM) - 64 GB
	Li-battery capacity - 9000 mAh (min)
	Operating Time - Not less than 30 hours
	Charging - QC-3.0 Super-Fast Charging not more than 4 hours.
	Sensors - Acceleration Sensor, Gyroscope, Light-Sensor, NFC, Electronic Compass, Qualcomm GPS/A-GPS, GLONASS, BDS, Galileo
	Wi-fi - Dual Bond
Applications Installed (License/Certification Attached) - Stake Out, Volume Calculation Road Module Applications	Applications Installed (License/Certification Attached) - Stake Out, Volume Calculation Road Module Applications

External Radio	External Radio
Same brand as the receiver or with Certification of compatibility from the manufacturer of main equipment	Same brand as the receiver or with Certification of compatibility from the manufacturer of main equipment
Output Power - 35W Frequency Range (UHF) - 300Mhz – 3Ghz With 1 set External Battery	Output Power - 35W Frequency Range (UHF) - 300Mhz – 3Ghz With 1 set External Battery
Post Processing Software (License/Certification attached)	Post Processing Software (License/Certification attached)
Data Processing Laptop - Display: 15.6" (min.) - OS: Windows 11 Pro or latest edition - Processor: 13th Gen. Intel Core i7 or AMD Ryzen equivalent - GPU: RTX3060 or better - RAM: 32 GB; Storage: 1TB SSD - With Lic. MS Office Productivity Software - Warranty: 1 year	Data Processing Laptop - Display: 15.6" (min.) - OS: Windows 11 Pro or latest edition - Processor: 13th Gen. Intel Core i7 or AMD Ryzen equivalent - GPU: RTX3060 or better - RAM: 32 GB; Storage: 1TB SSD - With Lic. MS Office Productivity Software - Warranty: 1 year
Accessories	Accessories
1 pc. Base Tripod (same brand as the receiver)	1 pc. Base Tripod (same brand as the receiver)
1 pc. Rover Bipod (same brand as the receiver)	1 pc. Rover Bipod (same brand as the receiver)
1 pc. Rover Pole (same brand as the receiver)	1 pc. Rover Pole (same brand as the receiver)
2 pcs. Extra Batteries (aside from the installed batteries, Manufacturer's battery)	2 pcs. Extra Batteries (aside from the installed batteries, Manufacturer's battery)
1 pc. Extra Battery (Field Controller, Manufacture's battery)	1 pc. Extra Battery (Field Controller, Manufacture's battery)
1 pc. USB Flash Drive (32 GB)	1 pc. USB Flash Drive (32 GB)
1 pc. External Hard Drive (1 TB)	1 pc. External Hard Drive (1 TB)
1 set Dual Head Battery Charger (Manufacturer's Charger)	1 set Dual Head Battery Charger (Manufacturer's Charger)
1 set Equipment Manual	1 set Equipment Manual
	Additional Accessories
	1-Unit Base Receiver 2-Units Rover Receiver w/ Data Controller 2-pc 2m Fiber Range Pole 1-pc Big Aluminum Tripod 1-pc Small Aluminum Tripod 1-pc Bipod
Other Requirements:	Other Requirements:
• Authorized/Exclusive Distributor's Certificate from the Manufacturer (Apostolate's Certificate attached)	• Authorized/Exclusive Distributor's Certificate from the Manufacturer (Apostolate's Certificate attached)
• Certificate of Manufacturer's Service Support Center in the Philippines	• Certificate of Manufacturer's Service Support Center in the Philippines
• With one (1) year Warranty on Factory Defects	• With one (1) year Warranty on Factory Defects
• With at least ten (10) yrs. experience in supplying survey equipment	• With at least ten (10) yrs. experience in supplying survey equipment
• With Local Service Center certified by the Manufacturer	• With Local Service Center certified by the Manufacturer
• With five (5) days field and date post-processing training	• With five (5) days field and date post-processing training
• With five (5) years annual calibration from the Authorized Service Center accredited by the Bureau of Design	• With five (5) years annual calibration from the Authorized Service Center accredited by the Bureau of Design
• Actual demo of equipment prior to award (Verification of equipment range = 5km)	• Actual demo of equipment prior to award (Verification of equipment range = 5km)
Additional Notes:	Additional Notes:
1. Specification of main equipment must be indicated or reflected in the original brochure, manual or	1. Specification of main equipment must be indicated or reflected in the original brochure, manual or

technical papers that can be downloaded or reflected in the website of the manufacturer.	technical papers that can be downloaded or reflected in the website of the manufacturer.
2. Accessories shall be noted "complied" on the bidding documents and shall be checked for the compliance upon delivery.	2. Accessories shall be noted "complied" on the bidding documents and shall be checked for the compliance upon delivery.
3. Other Requirements shall be supported by Certificate/s or Documents supporting its compliance.	3. Other Requirements shall be supported by Certificate/s or Documents supporting its compliance.
4. All technical specifications issued prior to the date of this issuance are considered invalid/obsolete.	4. All technical specifications issued prior to the date of this issuance are considered invalid/obsolete.

For the guidance and information of all concerned.


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