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Date: 12 November 2015

BID BULLETIN NO. 01-2015

Name of Contract: Supply of Branded GNSS Survey Equipment, Fiber Optic Spectrometer, Workstations and Other Equipment for LiDAR Project (Negotiated Procurement)

This Addendum is issued to modify the Technical Specifications of the following items:

| Equipment | Old Specification | Revised Specification |
|---|---|---|
| 1. Branded GNSS Survey Equipment with Portable Echosounder (single beam) For research Use | Minimum 440 channels | 220 Channels |
| 2. Dual Frequency (RTK) Survey Grade GPS – For research use | *Number of GPS Receivers:3 (base-rover interchangeable) | - 1 Base and 2 Receivers - Lifetime aftersales support |
| 3. Branded Total Station – For research use | Maximum Range, Reflectorless: at least 300 m | - Maximum Range, Reflectorless: at least 500 m - Lifetime aftersales support |
| 4. Hand-Held GPS – For research use | Garmin connect | - With Basemap - Preloaded maps:yes(topographic) - Garmin connect |
| 5. Workstations – For Research Use | Monitor: 2x HP Z24i 24-inch IPS LED Backlit Monitor with Dual Arm or single stand | Monitor: 2x HP Z24i 24-inch IPS LED Backlit Monitor with individual stand |
| 6. Full Rugged Outdoor Laptop | 1-year Accidental Damage Service | 1-year Accidental Damage Service |
| 7. Personal Computers with Accessories | Memory Supports: 1600 MHz DDR3 SDRAM; (4) DIMM slots enabling up to 16GB, dual channel memory support | Memory: 16GB 2133MHz DDR4 RDIMM ECC |
| 8. Desktop Computer, For research use | - Processor: Intel Core i7-4770 3.4GHz 8MB HD 4600 CPU (3.4GHz, turbo max 3.9GHz Intel Smart Cache, 4 cores, 8 threads) - Memory: 8GB (1x8GB) DDR3 1600MHz DIMM, expandable up to 16GB - Display: HP 23”(Touchscreen) monitor | - Processor: Intel Core i7 - Memory: 8GB DDR3 1600MHz DIMM, expandable up to 16GB - Display: HP 23” monitor |

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| 9. Laptop Computer | <ul style="list-style-type: none">- Processor: 4th Generation Intel Core <u>i7-4600U</u> Dual Core (2.1 GHz, 4MB Cache)- <u>Security: with FINGER PRINT READER</u>- Power: 65Watts Smart nPFC AC Adapter with Powercord C5 1.0 meter | <ul style="list-style-type: none">- Processor: 4th Generation Intel Core i7- Power: 56Watts 5000 mAH Smart nPFC AC Adapter with Powercord C5 1.0 meter |
| 10. Branded Desktop Computers | <ul style="list-style-type: none">- Memory: 16GB (4x4GB) 2133MHz DDR4 RDIMM ECC- Warranty: 1-year carry-in service after remote diagnosis | <ul style="list-style-type: none">- Memory: 16GB 2133MHz DDR4 RDIMM ECC- Warranty: 1-year carry-in service after remote diagnosis |
| 11. UPS | | <ul style="list-style-type: none">- 1 hour back up run time- much better if inclusive of wiring/electrical work/needs |

For guidance and information of all concerned.

Annabelle U. Novero 13 NOV 2015
ANNABELLE U. NOVERO, Ph.D.
Chair, Special Bids and Awards Committee
for Externally-Funded Research Projects