

**Indian Institute of Technology Kanpur
Department of Civil Engineering**

Date: 22.08.2013

To,

Ref. No: CE/GI/LTAS/04/2013-2014

Closing Date: 02.09.2013 Time: 5PM

Sub: Quotation for Dual Frequency GPS Receiver

Dear Sir/Madam,

We would like to procure Dual Frequency GPS receiver use in laboratory for teaching and research purposes. You are invited to provide quotations as educational pack with the following features.

Required Features:

S N	Description	Required Quantity
1.	Dual frequency GPS System with supporting Controller for data collection. Channel minimum 120 Solution Type: Fixed/Float Cellular Capabilities Antenna Integrated GNSS Measurement Fully independent code and phase measurements of all frequencies Satellite signals tracked simultaneously: GPS, GLONASS, GALLIEO, COMPASS SBAS: WAAS, EGNOS, GAGAN Positioning Rate : 1Hz, 2Hz, 5Hz, 10Hz Code differential GNSS positioning Horizontal - 0.25 m + 1 ppm RMS Vertical - 0.50 m + 1 ppm RMS SBAS differential positioning accuracy - typically <5 m 3DRMS static mode Horizontal - 3 mm + 0.1 ppm RMS Vertical - 3.5 mm + 0.4 ppm RMS Post Processed Kinematic (PPK) GNSS surveying Horizontal - 8 mm + 1 ppm RMS Vertical - 15 mm + 1 ppm RMS RTK Surveying Single Baseline upto 25 km Horizontal - 8 mm + 1 ppm RMS Vertical - 15 mm + 1 ppm RMS Network RTK Horizontal - 8 mm + 0.5 ppm RMS Vertical - 15 mm + 0.5 ppm RMS Initialization time typically <8 seconds Initialization reliability typically >99%	Quote separately for One Single Unit And One Set having two Units

	Power capability 24 hours direct or battery Communications and Data Storage Data transfer through USB/Wi-Fi/ Bluetooth External communication devices for corrections supported on Serial and Bluetooth ports Data storage: minimum 10MB in receiver and 2GB in Controller. Data processing software with multiple licenses.	
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Service Features

- 1) Warranty period should be clearly mentioned in the quotation. Local maintenance support should be available. If not, please mention where the machine will be serviced in the event of failure. Further mention whether stand-by machine will be provided during downtime within warranty period.

You are requested to submit your quotation in sealed envelope mentioning the following:

1. Cost of the item including warranty/free maintenance
2. Technical specifications in detail.
3. Warranty period to be clearly mentioned in quotation.
4. Delivery time (items are to be delivered at IIT Kanpur)
5. Educational discount applicable considering end use for research and teaching
6. Payment terms (as per standard IIT Kanpur norms).
7. Proprietary Certificate, if applicable.
8. Any other relevant details.

Last date for the receipt of quotations: 02 September, 2013. Please note that your quotation must provide responses to all points raised under service features.

Please call Dr. Bharat Lohani at 0512-2597413 for any further queries/clarifications in this regard.

Yours Sincerely

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