

THE GANDHIGRAM RURAL INSTITUTE
DEEMED TO BE UNIVERSITY

Fully Funded by Ministry of Human Resource Development, Govt. of India
Accredited by NAAC with 'A' Grade (3rd Cycle)

CENTRE FOR GEOINFORMATICS

Gandhigram – 624 302, Dindigul District, Tamil Nadu, India.

Prof. N.D. Mani, M.Sc., Ph.D.,
Director



Phone : 0451 – 2452371 – 2452375
Fax : 0451 – 2454466 & 2453071
E-mail : ndmani @gmail com
Mobile : + 91 9443015375
Website : www.ruraluniv.ac.in

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To

Sir,

For and on behalf of the Registrar, the Gandhigram Rural Institute - Deemed to be University, competitive quotations are invited towards purchase of **Differential Global Positioning System Receiver (1set), and Controller (1No.) and other accessories** for the use of Centre for Geoinformatics, the Gandhigram Rural Institute - Deemed to be University, Gandhigram – 624303, Dindigul, Tamil Nadu.

S.No.	Items	No.
1	DGPS Receiver (Base & Rover)	1 set
2	DGPS Controller	1

SPECIFICATION FOR DGPS RECEIVER (BASE & ROVER)

Minimum Accuracy required

DGPS Accuracy - (Horizontal) 25 cm + 1 ppm and (Vertical) 50 cm + 1 ppm, High Precision / Long Observation Static accuracy - (Horizontal) 3 mm + 0.1 ppm & (Vertical) 3.5 mm + 0.4 ppm, Static and Fast Static accuracy - (Horizontal) 3 mm + 0.5 ppm & (Vertical) 5 mm + 0.5 ppm

Real-Time Kinematic (RTK) Accuracy - (Horizontal) 8 mm + 1 ppm & - (Vertical) 15 mm + 1 ppm.

Receiver and its potential

Interchangeable / Configurable as Base or Rover , Provision to indicate the connectivity with base station, Mode of processing Static & Fast Static, Built-in stand alone L-band facility and satellite based correction, Post processing software with free updates upto warranty period inclusive in the scope of supply, Compatible to other surveying equipment's like Electronic Total Station (ETS), Base Line Processing Range (Static) equal to or more than 500 km, Number of channels equal to or more than 220, Maximum position update rate 20 Hertz, Channels to track, NAVSTAR GPS, Galileo

tracking signals, GLONAS, BeiDou and other GNS system with SBAS support, Internal and external storage slot for standalone receiver, External/ removable storage equal to or more than 7 GB .

SPECIFICATION FOR CONTROLLER

Field software with free updates, OS Version 6.5 and above, User friendly and menu driven for easy field operation, configurable survey style for all modes, Capable of multi-tasking so that multiple operations can be opened at a time, Datum and projection support and support grid coordinates, Graphical support to visualize work while working, Support Feature coding with attributes for GIS data collection, cable to email data collected in the field, Import & export facility support, camera with flash facility, Integrated GPS, Compass, Accelerometer, Cellular modem, SBAS support , Audio jack. RAM more than 256 MB, Internal storage capacity more than 8 GB, LCD color touch screen sunlight-readable display more than 4 inch, Battery backup time more than 30 hour

Power Source

Internal - rechargeable battery and also need to support external battery, Chemistry of Battery Li-ion, Battery back up at least 6 hour and capability of swappable b/w external and internal power sources without affecting data recording.

Accessories

Tribrach with optical plummet and adopter, Tribach tester, Telescopic tripod supplied, Wooden tripod, Stop and Go pole, Clamp for controller, USB data transfer cable, Power cable, Connectors and cables for connecting to car batteries.

Warranty duration : Minimum 2 years & Training at buyer's premises for a period of 5 days

Terms and Conditions:

- 1) The rate should clearly indicate the unit/Nos.
- 2) The rate should include duties and taxes and also packing and forwarding charges.
- 3) The period up to which the materials/equipments are guaranteed should be specified.
- 4) The amount chargeable as Annual Maintenance Charges (AMC) after the guarantee/warranty period should be indicated separately.
- 5) The nearest service point should also be indicated to the offer
- 6) The offer should be as far as possible from ready stock
- 7) Where the offer is not from ready stock, the period before which supply will be effected should be indicate
- 8) The mode of payment should be specified
- 9) TIN/PIN may be indicated.
- 10) Payment will be made after receipt and satisfactory functioning of items and duly certified by the officers, concerned.
- 11) Validity of the offer should be normally before 30 days from the date of the offer. Otherwise, the period should be specifically mentioned in the offer
- 12) Quotation should be addressed to

**The Registrar,
The Gandhigram Rural Institute - Deemed to be University,
Gandhigram-624302.**

- 13) The hard copies of the Quotations should be sent in a sealed envelope superscripted **Competitive Quotation for the Purchase of Differential Global Positioning System Receiver and Controller** for Centre for Geoinformatics and mailed to

**The Director,
Centre for Geoinformatics,
The Gandhigram Rural Institute (Deemed to be University)
Gandhigram, Dindigul -624302,
Tamil Nadu**

Quotations will be received up to 4.00 p.m on or before 18th March, 2019.



(N.D. MANI)