

**PROCUREMENT OF
MULTI FREQUENCY GNSS RECEIVER
FIELD SOFTWARE UNDER
NATIONAL SHOPPING PROCEDURES**

**(For Contracts valued
less than of US \$ 0.05million)**

Government of Karnataka
(Water Resources Department)

Office of Chief Engineer & Nodal office, DRIP
State Project Monitoring Unit
SWDC Building, A.R.Circle,
Bengaluru-560009,

No. CE&NO/SPMU-DRIP/LAB EQUIPMENTS/2022-23/18 Dated: 25/10/2022

**INVITATION OF QUOTATIONS FOR SUPPLY OF
MULTI FREQUENCY GNSS RECEIVER WITH BASE, ROVER ALONG WITH
CONTROLLER AND FIELD SOFTWARE, UNDER NATIONAL SHOPPING
PROCEDURES**

To,

Dear Sir,

Sub.: Invitation of Quotation for supply of multi frequency GNSS receiver with base, rover along with controller and field software, KERS, K.R.Sagara, Srirangapatna taluk, Mandya District, Karnataka.

1. You are invited to submit your most competitive quotation for the following work:-

Sl No.	Brief Description	Specifications*	Approx Quantity required	Delivery period	Place of Delivery	Installation requirement if any
1	2	3	4	5	6	7
1	Details enclosed	Details enclosed	Details enclosed	30 days	KERS, K.R.Sagara , Karnataka.	To be installed in the specified locations

*Where ISI certification marked goods are available in market, procurement should generally

be limited to goods with those or equivalent marking only.

2. Government of India has received a credit from the International Bank of Reconstruction and Development (IBRD) in various currencies equivalent to US\$.....towards the cost of the

project and intends to apply part of the proceeds of this credit to eligible payments under the

contract for which this invitation for quotation is issued.

3. Bid Cost

- The contract shall be for the full quantity as described above. Correction, if any shall be made by crossing out, initialling, dating and re-writing suitably attested.
- All Duties, Taxes and other levies payable on the raw materials, components and finished items shall be included in the total price.
- The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- The Prices shall be quoted in Indian Rupees only.
- Ambiguous Prices shall be summarily rejected.
- JV not allowed.

4. Each Bidder shall submit only one quotation of Price for each item in sealed cover.

5. Validity of Quotation

Quotation shall remain valid for a period not more than 30 days after the deadline date specified for submission.

6. Evaluation of Quotation

The Purchaser will evaluate and compare the quotations for determination to be Substantially responsive i.e., which

- (a) Are properly signed with supporting documents (if any) and
- (b) Conform to the terms and conditions, and specifications The Quotations would be evaluated for all the item together.

7. Award of contract

The Purchaser will Award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

7.1. Notwithstanding the above, the purchaser reserves the right to accept or reject any quotations and all quotations and to cancel the bidding process and may recall at any time prior to the Award of contract.

7.2. The bidder whose bid is accepted will be notified of the Award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchaser letter of Intent.

8. **Payment** shall be made after the satisfactory supply and installation, inspection by the competent authority and receipt of certificate from the consignee.

9. All supplies, installations should be completed within 15 days from the date of issue of work order. Beyond this date liquidity Damages at 0.5% per day will be levied for any delayed supply and installations.

10. Normal commercial warranty/guarantee shall be applicable to the supplied goods.

11. You are requested to provide your offer latest by 11.30 hours on. 24.11.2022


12. We look forward for receiving your quotations and thank you for your interest in this Project.


Name: Chief Engineer & Nodal Officer, DRIP,

Address: SPMU-DRIP, WRDO

SWDC Building, A.R.Circle,

Bengaluru

Tel. No.: 080-22259985 





CONSIGNEE LIST

TECHNICAL SPECIFICAL FOR MULTI-FREQUENCY DGPS SYSTEMS			
S. No.	Item Description	Parameters	
1	GNSS Receiver	Fully independent GNSS satellites tracking systems, communication Bluetooth & Wi-Fi with Integrated Multi frequency GNSS system	
2	TECHNOLOGY	1. 7G GNSS-CENTRIC 2. Z Blade Technology	
3	Satellite Signals Tracking and Recording	GPS L1, L2, L5 GLONASS L1, L2, L3 Beidou QZSS Galileo IRNSS L5 L Band	
4	SBAS Corrections	GAGAN	
5	No. of Channels	600 or more	
6	Data Logging Rate	20 Hz or better	
7	Static Accuracy	Horizontal 3mm+0.1ppm RMS	
		Vertical 3.5mm+0.4ppm RMS	
8	RTK Accuracy	Horizontal 8mm+1ppm RMS	
		Vertical 15mm+1ppm RMS	
9	Initialization Time	< 8 Seconds	
10	Receiver Memory	Memory 4 GB Internal & 32 GB External through memory Card	
11	Display	Integrated graphical LED Display	
12	Temperature	Operating -30 °C to +65 °C	
		Storage -40 °C to +75 °C	
13	Humidity	100%, Condensing	
14	Ingress Protection	IP67	
15	Communication	1 Serial/Power Port/External Radio Modem Port in single housing, Integrated Bluetooth & Wi-Fi	
16	RTK Mode	Receiver Inbuilt GSM/GPRS & Internal Radio up to 2W	
17	Data format	NMEA 0183, RTCM 3.2, RTCM 3.1, CMR & CMR+	
18	Battery backup	10 hrs Li-ion Hot Swappable battery	
19	Controller	Display	5" Touch screen or More
		Keypad	Full alphanumeric hard keypad
		Operating system	Android 10
		Communication	Bluetooth, Wi-Fi & USB
		Memory	4GB RAM and 64GB inbuilt Storage
		Ingress Protection	Waterproof with IP65
		Operating Temperature	-30 °C to +60 °C
		Battery	15 hrs. or more
		Camera	13MP Auto Focus or more
	Sensor	Integrated GNSS, e-Compass, accelerometer, Gyro Sensor	

20	Controller Software	Static, Fast I Sensor Line, Polygon, Area Calculation, Static, RTK., Satellite view, POOP, HOOP etc.
		Graphical Stake Out
		Feature Coding
		Active Background maps inform of JPEG/TIFF, OXF/OWG
		Import Export to industry standard formats like CSV and OXF etc
		COGO Functionality
		Calculation of transformation parameters from point list.
21	Post processing Software	Processing of raw data of GPS LI, L2, LS & GLONASS
		Import & Export to RINEX Formats
		Import Export to industry standard formats
		Feature coding and automatic drafting. Layer Management.
		Report Generation
		Coordinate System Manager
		Baseline processing

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NOTE:-

1. As per directives of the Government of India, please provide a revised self-declaration certificate of the local content for the item offered and your status as Class-I/Class-II/Non-Local supplier. Self-declaration certificate should quantify the description of the local content (material description), percentage of local content of the offered product and also indicate the location. However, please note that claiming the services such as transportation, insurance, installation & commissioning, training and after sale service support like AMC/CMC etc., shall not be considered as local content as per OM N.P45021/102/2019-BE-II-Part(1) (E- 50310) dated:4/03/2021 issued by Ministry of Commerce and Industry, DPIIT. Wherever the bids are received without accompanying the above said requisite certificate such offers shall be treated as incomplete and not considered.