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GOVERNMENT OF INDIA  
CENTRAL WATER COMMISSION  
LOWER KRISHNA DIVISION  
OFFICE OF THE EXECUTIVE ENGINEER

“Krishna Godavari Bhawan”,  
H.No 11-4-648, IVth Floor, A.C. Guards,  
Hyderabad-500004.

No: LKD/T-2./2012-13/JE(HQ)/2812-15

Dated: 12/07/2013

**NOTICE INVITING QUOTATION**

Sealed quotations are invited on behalf of the president of India by the Executive Engineer, Lower Krishna Division. CWC, Hyderabad from the reputed firms for supply of the following items so as reach this office on or before **03:00 PM of 22 .07.2013**. The quotation will be opened on the same day at 3.30 P.M in presence of the quotationer or their authorized representative..

S.no.	Description of Equipment	Quantity
1	<b>Global positioning system with following specifications</b>	3 No.
1	<u>Accuracy</u> Operating range Horizontal accuracy of rover unit location Vertical accuracy of rover unit location	Within 1 km of reference unit $\pm 1$ m $\pm 2$ cm
2	<u>GPS Reference unit</u> Data logging Positioning mode Update rate	1-30 seconds RTK,SBAS,DGPS 10 Hz-20Hz
3	Internal Memory	. At least 256 MB memory .Removable 1 GB data storage card .72 hours of 10 satellites at 1 second intervals
4	Technology	PRISM or NMEA 0183
5	Display/interface	.Full Colour TFT liquid Crystal display with backlight . Keyboard with backlight .USB host and slave . Point-to-point and point-to-multi point . Serial port OBEX dial up modem
6	Field Software	GPS Utilities, Bluetooth Manager, Operating system (Data back-up, Restore etc.)
7	Physical and performance	. Battery life:20 hours or greater . waterproof .High-sensitivity receiver . Interface high-speed USB and NMEA 0183 compatible
8	Maps and Memory	.Basemap display . Ability to add maps . built –in- memory:500 MB or greater . Capable to accept data card in widely available format . Waypoint/favorites/locations:2000or greater . Routes:200 or greater . Track log:10,000 points,200 saved track or greater
9	Additional features	. Automatic routing (turn by turn routing on roads . Electronic compass: tilt- compensated,3-axis . Barometric altimeter . Unit-to –unit transfer (shares data wirelessly with similar units)

		. comprehensive user manuals	
II	<b>Auto Level with following specifications</b>		3 Nos.
1	Image	erect	
2	Magnification	≥ 25 x	
3	Aperture of objective	≥ 30 mm	
4	Field of view	1° 20' to 1° 30'	
5	Shortest focusing distance	1.5 m	
6	Resolving power	1.5 mm @ 60 m	
7	Stadia multiplying constant	100	
8	Stadia additive constant	0	
9	Sensitivity of level plate	20 sec/2 mm run	
10	Tribrach circular bubble	8 min/2 mm run	
11	Compensation range	12 to 16 seconds	
12	Compensation accuracy	0.3 seconds	
13	Accuracy for leveling the line of sight	± 0.8 second	
14	Leveling accuracy	± 2 mm in 1 km of double levelling	
15	Centering provision	30 – 50 mm	
16	Instrument life time	≥ 5 years of continuous operation	
17	Operating temperature range	0 to 50 <sup>0</sup> C	
18	Housing	Splash waterproof	
19	<b>Accessories</b>		
	Centering plumb bob with adapter	One	
	Tripod with clamping Screw	One unit made of well seasoned wood or light and strong alloy telescopic with mounting for battery, illumination unit and clamping arrangement for the instrument	
	Carrying case	One unit made of light metallic or plastic (unbreakable type) or well seasoned wood with padded inserts and receptacles for holding accessories with lock, carrying shoulder strap etc.	
	Cleaning brush	One unit	
	Tool-set	Spanner, Tommy pins, screw driver etc.-one set	
	Lens cover set	One set	
	Telescopic leveling staffs and accessories	2 nos.	
	Measuring tape 30 m (fibre glass)	2 nos.	

**TERMS & CONDITIONS:**

1. Detail specification for each equipment model need to be mentioned and catalogue showing the specification need to be supplied along with quotation.
2. The rates are to be quoted F.O.R destination inclusive of packing forwarding, freight, insurance, if any, at the office of the Executive Engineer, Lower Krishna Division, CWC, Hyderabad-500004.
3. The rates are to be quoted in figures as well as in words. In case of discrepancies, the rate quoted in words will be treated as final.
4. The quotation should be addressed to the Executive Engineer, Lower Krishna Division, Central water Commission, Krishna Godavari Bhawan, H.No.11-4-648, IVth Floor, A.C.Guards, Hyderabad-500 004(A.P.).
5. All duties, taxes (except Octroi) transportation and other levies payable by the supplier/contractor under the contract shall be included in the total price.
6. The sealed cover containing the quotation should be superscribed with the words **“QUOTATION FOR SUPPLY OF SURVEY INSTRUMENTS” DUE DATE ON 22.07.2013.**

7. Only those firms who are using good quality of materials as stipulated in the **Indian Standards (I.S)** and will be able to make supply immediately need to quote their rates.
8. Quotations for part of the material will be rejected.
9. All the corrections/ over writing should be duly attested. Else it will make the quotation disqualify.
10. All the materials should have a guarantee in all respect for a period of minimum one year from the date of supply.
11. After sale, service facilities may be specifically mentioned.
12. Only those firms having TIN number can be eligible to submit their quotation.
13. Indicated quantities may increase or decrease at the time of supply order as per our requirement.
14. Payment will generally be made by crossed cheque/demand draft payable at near by SBI branch within 15 days from the date of completion of supply, correct and in good condition in all respects or receipt of your bill whichever is later.
15. Validity of your quotation should be for a period of minimum 90 days from the date of opening of quotation.
16. The undersigned reserves the right to reject a part or the whole of quotation without assigning any reason thereof.
17. The supply of the material should be completed within 30 days from the date of issue of supply order.

(Arifulla Baig)  
Executive Engineer

Copy for information to:

1. Smt. Rekha Rani, Assistant Director, o/o The Chief Engineer, K&GBO, CWC, Hyderabad for inclusion in the K&GBO website.
2. The Accounts Branch, LKD, CWC, Hyderabad.
3. Drawing Branch, LKD, CWC, Hyderabad.
4. Notice Board.