



दूरभाष : 040-2330 8650

फैक्स: 040-23308647

भारत सरकार / Government of India  
केन्द्रीय जल आयोग/ Central Water Commission  
निचली कृष्णा मंडल/ Lower Krishna Division

कृष्णा -गोदावरी भवन, /Krishna Godavari Bhavan  
म.सं. 11-4-648, तीसरी मंजिल, / 11-4-648, III Floor  
ए सी गार्ड्स, हैदराबाद-4/A.C. Guards, Hyderabad-4

No:LKD/T-2/2015-16/JE(HQs)/ 4366 - 68

Dated: 07 .09.2015.

To,

**NOTICE INVITING QUOTATION**

Sealed quotations are invited, On behalf of the President of India, for supply of the following materials by the undersigned from the reputed firms as per the following terms and conditions on or before 15.00 hr of **16.09.2015**. The quotation will be opened on the same day at **15.30 hr**.

S.No	Item Description	Quantity (Nos)	Remarks
1	Auto Level with Aluminium Tripod and protection box Make Version 2.	1	
2	Garmin make GPS with down loading cable, colour screen, Model GPS Map-78S.	1	

**TERMS & CONDITIONS:**

1. Detail specification (Annexure-I) 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 super scribed with the words "supply of Surveying equipments " **DUE DATE ON 16.09.2015**.
7. Only those firms who are using good quality of materials as stipulated in the **Standards** 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 quantity mentioned in NIQ may increase or decrease at the time of placing supply order as per our requirement.

वी.सी.एस.  
(वी.सी.एस.राव) 7/9/2015  
अधिसासी अभियंता  
निचली कृष्णा मंडल

Copy for information to:

1. The Accounts Branch, LKD, CWC, Hyderabad.
2. Drawing Branch, LKD, CWC, Hyderabad.
- ✓ 3. Notice Board and web portal [www.cwc.nic.in](http://www.cwc.nic.in).



## Specifications of Auto Level:

## Annexure-I

### Purpose

The auto level will be used for general topographic levelling applications, in particular to connect staff gauges to established benchmarks or GTS levels.

### Conditions & Requirements

- The instrument shall be of reliable and simple design, adequate for the application.
- The tripod shall generally comply with IS 8330-1997
- The levelling instrument shall generally comply with IS 4590-1980.
- An operator's manual shall be part of the delivery

### Specifications

image	erect
magnification	$\geq 25 \times$
aperture of objective	$\geq 30 \text{ mm}$
field of view	$1^{\circ}20'$ to $1^{\circ}30'$
shortest focussing distance	maximum 1.5 m
max distance for mm	100 m
resolving power	1.5 mm @ 60 m
stadia multiplying constant	100
stadia additive constant	0
centring plumb bob with adolpter	one
sensitivity of level plate	20 sec / 2 mm run
tribarch circular bubble	8 min / 2 mm run
compensation range	12 to 16 seconds
compensation accuracy	0.3 second
accuracy for levelling the line of sight	$\pm 0.8 \text{ second}$
levelling accuracy in 1 km of double levelling	$\pm 2 \text{ mm in } 1 \text{ km}$
tripod with clamping screw – one unit	1600 mm well seasoned wood or light & strong alloy telescopic with mounting for battery, illumination unit & clamping arrangement for the instrument
centring provision	30 – 50 mm
carrying case – one unit	light metallic or plastic (unbreakable type) or well seasoned wood with padded inserts and receptacles for holding accessories with lock, handle, carrying shoulder strap etc.,
instrument life time	>5 years of continuous operation
temperature range	0 to 50 °C
housing	splash waterproof



## Accessories

cleaning brush  
tool-set  
lens cover set  
oil bottle  
chamois leather  
plumb bob with adopter  
plug  
waterproof cover  
silica gel - re-usable  
telescopic levelling staffs  
and accessories  
measuring tape 30 m  
(fibre glass)

one unit  
spanner, tommy pins, screw driver, etc. – one set  
one set  
one unit  
one  
one  
made of durable plastic material - one  
one packet 200 g  
2 nos., complying with IS 11961-1986  
two nos

## Specifications of GPS:

### Specifications

Physical size (W × H × D)	2.6 × 6.0 × 1.2 in. (6.6 × 15.2 × 3.0 cm)
Weight	7.7 oz. (218.3 g) with batteries
Display (diagonal)	2.6 in. (66 mm)
Resolution (W × H)	160 × 240 pixels, backlit 65K color TFT display
Water resistance	Fully gasketed, floatable, high impact plastic alloy, waterproof to IEC 529-IPX-7
Data storage	Approximately 1.7 GB No memory battery is required. The GPSMAP 78S and 78Sc have a microSD card slot for additional data storage.
Computer interface	USB and serial

Battery type	Two AA batteries (alkaline, NiMH, or lithium)
Battery life	Up to 20 hours, typical usage
Operating temperature range	From 5°F to 158°F (from -15 to 70°C)
Radio frequency/ protocol	2.4 GHz/ANT+ wireless communications protocol
GPS accuracy	< 33 ft. (10 m) 95% typical use GPS is subject to accuracy degradation to 100 m 2DRMS under the U.S. DoD imposed Selective Availability (SA) Program when activated.
DGPS	From 10 to 16 ft. (from 3 to 5 m) 95% typical (WAAS accuracy in North America)

Altimeter	Accuracy: ± 10 ft. (± 3 m)* Resolution: 1 ft. (.3 m) Range: from -2,000 ft. to 30,000 ft. (from -610 to 9144 m) *Subject to proper user calibration.
Compass	Accuracy: ± 2 degrees (± 5 degrees in extreme Northern and Southern latitudes) *Resolution: 1 degree *Subject to proper user calibration.