

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-14./2012-13/JE(HQ)/ 6019dd

Dated: 20/12/2012

**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 28.12.2012. 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	Dissolved Oxygen meter (portable) (specifications enclosed as annexure-I)	3 nos
2	Conductivity meter Digital (specifications enclosed as annexure-I)	3 nos
3	pH meter Digital (specifications enclosed as annexure-I)	3 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, IV 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 superscripted with the words "QUOTATION FOR SUPPLY OF LAB EQUIPMENT" DUE DATE ON 28-12-2012.
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 nearby SBI branch within 15 days from the date of completion of supply in full 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.

  
(O.R.K.REDDY)  
Executive Engineer

Copy for information to:

- 1) The Deputy 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.

  
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**1) DISSOLVED OXYGEN METER****Specifications**

<b>Dissolved oxygen sensor</b>	
<b>Measurement</b>	micro-processed portable, battery operated (rechargeable)
<b>Atmospheric correction pressure</b>	automatically by integrated pressure sensor
<b>Salinity correction</b>	0-40% salinity
<b>Electrode</b>	oxygen electrode suitable for measurement of DO up to 5 mt. depth with probe covered.
<b>sensor type</b>	amperometric gold or silver membrane type
<b>range</b>	0 to 20 mg/l of dissolved O <sub>2</sub> and 0 to 20% O <sub>2</sub> saturation
<b>resolution</b>	0.01 mg/l for DO, 0.1% for O <sub>2</sub> saturation
<b>accuracy</b>	± 0.1 mg/l
<b>display</b>	LCD digital
<b>Temperature sensor</b>	
<b>sensor type</b>	Pt100
<b>range</b>	0 to 50°C
<b>resolution</b>	0.1°C
<b>accuracy</b>	± 0.5°C
<b>power supply</b>	standard dry cells / 220 VAC ±25%, 50 Hz with charger
<b>case</b>	to protect the instrument form dust, rain and shocks

**Accessories**

- 220 V, 50 Hz wall adapter
- operation manual

**2) CONDUCTIVITY METER (DIGITAL)****Specifications**

<b>conductivity cell</b>	glass body with platinum electrodes
<b>cell constant</b>	approx. 1
<b>range</b>	0 to 199 mS/cm, at least 4 range of selection
<b>resolution</b>	0.1 µS/cm, lowest scale
<b>accuracy</b>	1% of range
<b>temp. compensation</b>	0 to 50°C, automatic / manual
<b>display</b>	LCD
<b>reading</b>	conductivity and temperature
<b>power supply</b>	220 VAC ±25%, 50 Hz

**Accessories**

- voltage stabilizer
- clamp and stand
- operation manual
- dust cover

### **3) pH METER (Digital)**

#### **Specifications**

<b>Functions</b>	Measurement of pH
<b>Display</b>	4 digit LCD/LED
<b>Range:</b>	0-14
<b>Accuracy:</b>	0.01 pH unit
<b>Resolution:</b>	0.01 pH unit
<b>Multipoint calibration</b>	(5 points)
<b>Temperature Compensation</b>	0 to 100°C, manual and automatic
<b>Calibration</b>	Calibration certificate from NABL Accredited Laboratory and installation qualification, operational qualification and performance qualification certificate

**Power supply** 220 VAC  $\pm$ 10%, 47 to 53 Hz  
Dual power (battery/AC Power)

#### **Accessories**

Two electrodes with silicon body (one spare)  
Electrode stand  
Carrying case for transportation in field  
Operation manual  
Three buffer solutions for calibration i.e. pH 4, pH 7, pH 9.2