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Government of India
Central Water Commission
Lower Godavari Division

Krishna Godavari Bhavan
H.NO.11-4-648, 3rd Floor,
A. C. Guards, Hyderabad-500004.

No. LGD/C-4/2011-12/H/ 515-27

Date: 23 /02/2012

To

Sub:- Notice inviting quotation for supply of Current Meters to O/o Executive Engineer, LGD, CWC, Hyderabad -Reg.

Quotations are invited for the supply of Current Meters to O/o Executive Engineer, LGD, CWC, Hyderabad, so as to reach this office by 2.00 PM on 12-03-2012. The quotation will be opened on the same day at 3.00 PM. You are requested to be present yourself or sent your authorized representative to this office at the time of opening of quotations.

S.No.	Description of item	Quantity
1.	CURRENT METER CUP Type model 6 cup wheel contact every one revolution range 0.05 to 3.5 m/s (starting up to maximum operational velocity) accuracy for velocities up to 0.3 m/s 1 % Full Scale, for velocities > 0.3 m/s to 0.5 % FS Contact Chamber : Magnetic/ Optic Fiber (Detailed Specifications Enclosed)	25 Nos

Terms & Conditions:

1. The envelope containing the quotations should be super scribed "Quotation for (name)" and the date of opening 12-03-2012
2. The rates quoted should be FOR Hyderabad by covering all risks during transit
3. The Quotationer must be ready to deliver the material immediately after placing the supply order within two weeks
4. The exact rates with details of percentage of all the taxes, excise duty chargeable if any, and central sales tax against "D" form may please be mentioned clearly.
5. The payment will be made by cheque on SBI, Red Hills, Hyderabad after receipt of the materials in full and in good condition, for local suppliers and for outside the Hyderabad suppliers by crossed D.D. in the name of quoted firm.
6. A validity period of minimum 90 days from the date of opening of quotation is required for the quoted items.
7. This office reserves the rights to reject any one, or all the quotations without assigning any reason.
8. Alterations, overwriting if any on the quotation should be attested without which quotation is likely to be rejected.
9. Detailed specification/ technical literature of equipment should be enclosed with the quotation
10. Full payment will be made by cheque/ DD within 15 days after receipt of the material in full and good condition
11. The quantity shown above is likely to change as per actual requirements at the time of placing supply order.

(PANKAJ TYAGI)
EXECUTIVE ENGINEER

Copy for information to:

1. The Chief Engineer, KGBO, CWC, Hyderabad w. r. t the Letter No 3/9/2011/HP-II/CE(KGBO)/6802 dated 02-12-2011.
2. The Superintending Engineer, Godavari Circle, CWC, Hyderabad.
3. The Accounts Branch, LGD, CWC, Hyderabad
4. The Director, SMD, CWC. Room No.618, Sewa Bhavan, R.K.Puram, New Delhi-110066, for keeping on CWC website.
- ✓ 5. Smt. K. Rekha Rani AD, O/o CE, KGBO for Keeping on KGBO web site.

CURRENT METER, CUP-TYPE

Purpose

The current meter will be used for flowing water velocity and thus discharge measurements in rivers and canals. It may be used in wading or suspended mode.

Conditions & Requirements

- The current meter shall be of such a design that it operates reliably and accurately under the prevailing flow and environmental conditions.
- The current meter shall be easy to operate and maintain.
- The current meter shall be supplied with the accessories as needed for effective deployment
- All materials of the current meter shall be non-corrosive.
- An operator's manual, related to the type and model of the current meter, shall be part of the delivery.
- The current meter shall come with the calibration data, i.e. actual calibration velocity versus actual revolutions per second as collected during the calibration process. Calibration data should uniquely identify the instrument body, the rotor, observer, rating tank, way of suspension, methodology and similar information.
- The current meter shall come with a rating table and a rating chart in m/s versus revolutions per second.
- The current meter shall have a provision to adjust its trimming.
- The design shall be sediment resistant and have an air-filled bearing chamber.
- The bearings should be field adjustable.
- The current meter shall come without a protection ring/yoke in front of the rotor. Such a yoke would make the current meter sensitive to its alignment into the flow, which should be avoided.
- The bearing chamber shall be as slim as possible to avoid excessive drag.
- The electrical connections shall not protrude into the current, but backwards instead.
- The electrical connections shall be of a reliable and sturdy construction.
- The current meter and accessories shall be supplied in a sturdy carrying case.
- An appropriate tool-set shall be included in the delivery.
- The current meter shall generally comply with IS 3910-1992
- For suspended operation, adequate fish weight shall be attached below the current meter.
- The fish weight shall have a streamlined form and shall be suspended from a bar of adequate strength
- The current meter shall have a facility to balance it into a horizontal attitude while submersed.
- Horizontal and vertical tail fins at the rear end shall align the fish weight in the direction of flow.
- Except for the suspension bar, no elements shall protrude from the body.

1. Specifications

Sensor

Model	6 cup wheel
Contact	every one revolution
range	0.05 to 3.5 m/s (starting up to maximum operational velocity)
accuracy	for velocities up to 0.3 m/s 1 % Full Scale for velocities >0.3 m/s 0.5 % FS
contact chamber	magnetic or optic fibre

2. Accessories

1. Standard instrument tools
2. Spare bearings
3. Carry case for current meter