



उत्तराखण्ड शासन

**OFFICE OF THE RESEARCH OFFICER  
MATERIAL TESTING UNIT-2  
IRRIGATION RESEARCH INSTITUTE  
ROORKEE-247667**

Email address:- [romt2.iri@gmail.com](mailto:romt2.iri@gmail.com)



**QUOTATION NOTICE**

No. 452/MTU-II/Q.N./2020-21

Dated: 17.08.2020

Sealed quotations are invited on behalf of Hon'ble Governor of Uttarakhand from authorized manufacturing company/ whole seller/ distributor for the supply of following items described in table given below. The Quotation should be submitted on 05.09.2020 up to 03.00 P.M. and opened the same day at 3.30 P.M. in the office of undersigned in presence of the Quotationer(s) or their authorized representatives. Other terms & conditions and specifications etc. may be download from our website [www.iri-roorkee.res.in](http://www.iri-roorkee.res.in).

S.No.	Item/Apparatus	Quantity
1.	Hydraulic Leak Tightness Testing Machine (Hydrostatic Test) for G.I. Pipe, D.I. Pipe and PVC Pipe. Assembly for G.I. Pipes & D.I. Pipes (06mm to 450mm) as per IS Code-1239 (Part-1&2) & IS Code 8329. End cap for P.V.C. Pipes (20mm – 400mm) as per IS 4985 and IS Code-12235 (Part-8, Sec.-1 & Sec.-2).	01 Set

**Terms and Conditions:-**

1. The above rates shall be F.O.R. Roorkee and shall be inclusive of one year warrantee and one year comprehensive Annual Maintenance contract (AMC) and all prevailing taxes.
2. The above rates should also include all the costs such as freight charges from ex-store to IRI, Roorkee Lab., unloading, installation, demonstration, calibration, training, comprehensive AMC for 01 years etc.
3. The above rates should be valid for a minimum period of 120 days from the date of opening of quotation (in Stamp Paper of Rs.100).
4. The Quotationer(s)/Bidder(s) shall have to supply within 30 days after the receipt of supply order.
5. The comprehensive warrantee will be of minimum 01 years after issuing of installation certificate by the department and comprehensive AMC period of 1 year will be started after completion of 1 year warrantee period.
6. The quantity of instrument/machine mentioned above can be reduced or increased upto any extent depending on the requirement at the time of purchase.
7. The 90% of the cost of the instrument/machine shall be paid only after satisfactory supply, installation, demonstration, calibration, training to IRI Officers and Staff at IRI, Roorkee, etc.

complete. 5% of the cost of the instrument/machine shall be paid after one year of issuing of installation certificate after satisfactory performance of Quotationer(s)/Bidder(s) in respect of warrantee & AMC and similarly, the balance 5% of the cost of the instrument/machine shall be paid after two years of issuing of installation certificate after satisfactory performance of Quotationer(s)/Bidder(s) in respect of warrantee & AMC.

8. The Quotationer(s)/Bidder(s) shall have to submit 'Calibration Certificate' from any Govt. recognized laboratories.
9. Bidders have to attach a certificate of successful supply of equipment to any organization by them.
10. Conditional/incomplete quotation shall not be accepted and the undersigned reserves the right to reject anyone or all quotations without assigning any reason.

**Research Officer**  
**Material Testing Research Unit-2**

**No. 452/ MTU-II/Q.N/2020-21/Dated- 17.08.2020**

Copy forwarded to the following-

- 1 Superintending Engineer, Research Circle, Irrigation Research Institute, Roorkee.
- 2 Executive Engineer, Administration Division, Roorkee.
- ✓ 3 Research Officer, Basic Unit, Irrigation Research Institute, Roorkee to uploade/publicist this quotation on IRI website.
- 4 Assistant Research Officer-III, Material Testing Research Unit-2, Irrigation Research Institute, Roorkee.
- 5 Assistant Engineer-3, Administration Division, Irrigation Research Institute, Roorkee.
- 6 Notice Board, IRI/IDO, Roorkee.
- 7 Publication in News Paper.

  
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**SPECIFICATIONS**

**Name of Equipment** :Hydraulic Leak Tightness Testing Machine.  
(Hydrostatic Test) for G.I. Pipe, D.I. Pipe and PVC Pipe.

Hydraulic Leak Tightness Testing Machine (Hydrostatic Test) should be electrically operated and should have following specifications:

1. Machine is digitally test for hydrostatic pressure for GI, DI and PVC pipes.
2. Pressure rang (0 to 10MPa)
3. Timer range (999.9 or 9999 ) selectable
4. Microcontroller is for controlling pressure
5. Number of station -01 (at least 03 sample tested together at same pressure)
6. Pressure input-High pressure pump and motor assembly to develop pressure
7. Solenoid valve for functioning through pressure controller
8. Outlet hydrostatic pressure to sample via ball valve connection
9. Failure detection through microcontroller
10. Water input – overhead tap water with 80 to 150 micron filter
11. Power 440 volt 3 phase
12. **Calibration Certificate:** Calibration certificate of apparatus is essential.

Assembly for GI Pipes & DI Pipes (06mm to 450mm) as per IS Code-1239 (Part-1&2) & IS Code 8329. End cap for PVC Pipes (20mm – 400mm) as per IS 4985 and IS Code-12235 (Part-8, Sec.-1 & Sec.-2).

  
**(Vinod Kumar)**  
Research Officer  
Material Testing Unit-2  
IRI, Roorkee