



**OFFICE OF THE RESEARCH OFFICER  
GROUND WATER RESEARCH UNIT-1  
IRRIGATION RESEARCH INSTITUTE  
ROORKEE-247 667**

**Email address:- [rogw1.iri@gmail.com](mailto:rogw1.iri@gmail.com)**



**QUOTATION NOTICE No. 2/Paint Testing Lab/GWRU-1/IRI dated 15.03.2021**

Sealed quotations are invited on behalf of Hon'ble Governor of Uttarakhand from authorized manufacturing company/whole seller/distributor for the supply of 14 Machines/Equipments for the establishment of Paint Testing Laboratory at IRI, Roorkee. The Quotation should be submitted upto **05.04.2021** at **03:00 PM** in the office of undersigned and shall be opened on the same day i.e. **05.04.2021** at **03:30 PM** in the office of undersigned in presence of the Quotationer(s) or their authorized representatives. List/name of the aforesaid 14 different Machines/ Equipments, terms & conditions, specifications etc. can be downloaded from our website [www.iriroorkee.res.in](http://www.iriroorkee.res.in) or can be taken from the office of the undersigned after payment of Rs. 590/- (Five hundred ninety only).

**Pre bid meeting will be held on dated 25.03.2021 & 26.03.2021 at the office of the undersigned.**

  
(Research Officer)  
Ground Water Research Unit-1

**IRRIGATION RESEARCH INSTITUTE**  
**ROORKEE-247 667**  
**(Ground Water Research Unit-1)**

**QUOTATION NOTICE No.2/Paint Testing Lab/GWRU-1/IRI Dated: 15.03.2021**

**1. List/Name of the 14 Nos. Machines/Equipments for Paint Test**

S.No.	Name of the Machines/Equipments	Quantity
1.	Hardness Tester	01
2.	Tensile Strength & Compressive Machine	01
3.	Microscope (Leica, Zeiss or Equivalent)	01
4.	Pen type coating thickness gauge (Digital)	01
5.	Weighing Balance (Digital) 0-3 kg (with Least Count = 1mg)	01
6.	Weighing Balance (Digital) 0-30 kg (with Least Count = 1gm)	01
7.	Micrometer Screw Gauge (Digital)	01
8.	Oven (Digital)	01
9.	Vernier Scale (Digital) Mitutoyo or Equivalent	01
10.	Shearing Machine	01
11.	Scratch Hardness tester/Automatic	01
12.	Impact Machine V- Notch	01
13.	Refrigerator Laboratory	01
14.	Conical Mendral Bend/Flexibility Tester	01

**2. Terms and Conditions:**

1. Evaluation of each and every item shall be carried out seperately.
2. Quotaioner(s) is requested to submit his quotation offer in two separate envelopes. One contains technical proposal and another contains financial bid.
3. First of all technical enevolope will be opened and evaluated. Finacial bid/price/offer of only technical qualified bid will be accepted and entered for evaluation in the comparative statement.
4. 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.
5. 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, AMC for 01 year etc.
6. The above rates should be valid for a minimum period of 120 days from the date of opening of quotation (in the Stamp Paper of Rs.100).

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7. The Quotationer(s)/Bidder(s) shall have to supply within 30 days after the receipt of supply order.
8. The comprehensive warrantee will be of minimum 01 year after issuing of installation certificate by the department and comprehensive AMC period of 01 year will be started after completion of 01 year warrantee period.
9. The quantity of instrument/machine mentioned above can be reduced or increased upto any extent depending on the requirement at the time of purchase.
10. The 90% of the cost of the apparatus/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 apparatus/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 apparatus/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.
11. The Quotationer(s)/Bidder(s) shall have to submit 'Calibration Certificate' from any Govt. recognized laboratories.
12. Bidders have to attach a certificate of successful supply of equipment to any organization by them.
13. Conditional/incomplete quotation shall not be accepted and the undersigned reserves the right to reject anyone or all quotations without assigning any reason.

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### 3. Specifications

S.No.	Name of the Machines/Equipments	Qty.	Justification (For Test/Purpose)	Specifications/as per IScode	Recommendations
1.	Hardness Tester	01	Coating Hardness Test	---	As per IS code/ASTM
2.	Tensile Strength & Compressive Machine	01	Tensile Strength test	---	As per IS code/ASTM
3.	Microscope (Leica, Zeiss or Equivalent)	01	Coating Thickness test	---	As per IS code/ASTM
4.	Pen type coating thickness gauge (Digital)	01	Coating thickness test	With accuracy of recommendation as per IS:101(Part-5) -1988, ISO 2178-1982,ASTMB 499-87,ASTMD 1186-87, Pull of type with cursor for vertical use onlyand measures the thickness of non magnetic coating.	As per IS code :101(Part-5)1988, ISO2178-1982,ASTMB 499, ASTM B 1186
5.	Weighing Balance (Digital)	01	Coating Hardness Test, Thickness test	0-3 kg (with Least Count = 1mg)	As per IS code :101
6.	Weighing Balance (Digital)	01	Coating Hardness Test, Thickness test	0-30 kg (with Least Count = 1gm)	As per IS code :101
7.	Micrometer Screw Gauge (Digital)	01	Coating Thickness test	---	As per IS code :101
8.	Oven (Digital)	01	Water resistance test	(0°C-300°C) Min. with Regulate 1°C, Size 18"x18" x18"	As per IS code :101
9.	Vernier Scale (Digital) Mitutoyo or Equivalent	01	Abrasion resistance test	With (Least Count. = 0.05mm.), 6"	As per IS code :101
10.	Shearing Machine	01	Tool for making Sample (panel)	---	As per IS code/ASTM
11.	Scratch Hardness tester/ Automatic	01	Scrubbing resistance test/Scratch resistance test	Power- 9 volt battery, Weight – 500gms, 1000gms, 1500gms.(manual), Power- 230 volt, 50-60 htz, Weight – 500gms - 3000gms.(Automatic)	As per IS :101, ISO 1518, ASTMD -5178, ASTMD 2197
12.	Impact Machine V- Notch	01	Impact resistance test, Coating thickness test	Anodized guide tube with a scale inches & intolerance for ISO falling weight ±1g maximum falling weight 2kg as per ISO 6272-1,ASTMD -2794-93(2010).	ASTMD -3170
13.	Refrigerator Laboratory	01	For storage of samples	Capacity- 300 lts. Plastic inner chamber with adjustable plastic coating wire mesh shelves, clear product visibility with dual glass, High Performance, Cooling frost free/statics, Power Supply: 220-240 volts., Temp Range: 1°C ~10°C	As per IS code
14.	Conical Mendral Bend/Flexibility Tester	01	Flexibility Test	Mandral Diameter range- 4-37mm, Material-Mild Steel, Phase-Single,Power source-Electric,Voltage-220-240 V, Surface finish –Color Coated.	As per IS code/ASTM

  
 (Research Officer)  
 Ground Water Research Unit-1

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