



Email: bessthort@gmail.com

**BUSINESS ENTREPRENEURSHIP AND START-UP SUPPORT THROUGH
TECHNOLOGY IN HORTICULTURE (BESST-HORT),
Technology Business Incubator (TBI) of
ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH
HESSARAGHATTA LAKE POST, BANGALORE-560 089**

F.No.12 /BESST-HORT/ Equip/Purchase/ 2020-21

Dated:05-08-2020

NOTICE FOR INVITING TENDER THROUGH E-PUBLISHING

Tender is invited for purchase of Quality Control lab instruments (refer Appendix I) at Business Entrepreneurship and Start-up Support through Technology in Horticulture (BESST-HORT), TBI of ICAR-IIHR, Hessaraghatta Lake Post, Bangalore

Tender documents may be downloaded from e-publish website of CPPP <https://www.eprocure.gov.in/epublish/app> as per the schedule given in CRITICAL DATE SHEET as under:

CRITICAL DATE SHEET

Tender No.	
Name of Organization	Business Entrepreneurship and Start-up Support through Technology in Horticulture (BESST-HORT), TBI of ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH, Hessaraghatta Lake Post, Bangalore
Date and Time for Issue/Publishing	05-08-2020, 3.00 PM
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Submission End Date and Time	20 -08-2020, 3.00 PM
Address for Communication	CEO, BESST-HORT, a TBI of ICAR-Indian Institute of Horticultural Research Hessaraghatta Lake Post, Bangalore-560 089

**Sd/-
CHIEF EXECUTIVE OFFICER**

Appendix I

BESST-HORT quality control lab Equipment's List

Sl. No.	Equipment Name	Quantity	Specifications
1.	Hand Refractometer	3	Brix Range a) 0-32 brix (1 Nos) b) 28-62 brix (1 Nos) c) 58-92 brix (1 Nos)
2.	Digital Refractometer	2	<ul style="list-style-type: none"> • Sugar Content Range: 0.0 to 85.0% • Brix; 1.3300 to 1.5080 • Sugar Content Resolution: 0.1 % Brix; 0.0001 • Sugar Content Accuracy: $\pm 0.2\%$ Brix • Temperature Range: 0 to 80°C (32 to 176°F)
3.	Abbe Refractometer	1	<ul style="list-style-type: none"> • Construction Type: Heavy metallic casting provider a sturdy base fitted with levelling screws and carries the fixed collimator arm and a swinging Telescope arm • Scale: Sugar Scale: 0 to 95% (+ 0.5%) • Specifications: ND +0.0005 dispersion • Measuring Range: ND 1.3000-1.7000
4.	Industrial Thermometer	9	Range: a) -32 to 380 degree (2 Nos) b) 0-110 degree (5 Nos) c) 0-250 degree (2 Nos) <ul style="list-style-type: none"> • Resolution: 0.1°C Accuracy: $\pm 2\% \pm 2^\circ\text{C}$ (-32 °C to 20°C) • Repeatability: $\pm 1.0^\circ\text{C}$ to 1.5 °C • Emissivity: 0.95 fixed • Response Time: 0.5 sec • Field of view (D/S) : 12 : 1 • Laser output: <1 mW • Battery Operated • Auto Power Off
5.	Digital Bench top PH meter	2	<ul style="list-style-type: none"> • pH Range: -2.00 to 14.00 pH • pH Resolution: $\pm 0.01\text{pH}$ • pH Accuracy: $\pm 0.01\text{pH}$ • mV Range: 0 to +1999mV • mV Accuracy: $\pm 1\text{mV}$ • Temperature Range: 0 to 105°C • Temperature Accuracy: +0.5°C • Calibration Points: 3 points Automatic • Auto Buffer Recognition • Standard Accessories: pH Electrode, Electrode Stand, Power Adaptor & Instruction Manual.

			<ul style="list-style-type: none"> To measure PH, TDS and Conductivity
6.	Pocket PH meter	3	<ul style="list-style-type: none"> Range:0.0 to 14.0 pH Resolution:0.1 pH Accuracy: +/-0.1pH Calibration: manual,1 point
7.	Salometer/ Salt brine hydrometer	2	<ul style="list-style-type: none"> Range: 0 to 100% by saturation Divisions: 1% Accuracy: ±1%; Temperature standardization: 60°F (15°C)
8.	Industrial Infrared thermometer	2	<ul style="list-style-type: none"> Feature: Contactless Temperature: 250 degree Celsius Battery Life: Rechargeable
9.	Lactometer	1	<ul style="list-style-type: none"> Material Glass Application- Laboratory Specific gravity range- 1.0 to 1.04 Calibrated at- 84°F
10.	Infrared moisture Balance	1	<ul style="list-style-type: none"> Capacity: 100 gm Readability: 0.001 g Pan Size: 90 mm Ø Calibration: Automatic External
11.	Hot plates with Digital temperature display	3	<ul style="list-style-type: none"> Top plate: Made of SS 304 Outer: Made of mild steel and finished with powder coated. Temperature control: Energy regulator Temperature range: 5°C above ambient to 250°C (approx.) <p>Dimensions of hot plates:</p> <ol style="list-style-type: none"> 25*40 cms (1 Nos) 35 *45 cms (1 Nos) 45*60 cms (1 Nos)
12.	Min-max Thermometer	4	<ul style="list-style-type: none"> Temperature Range: -20 to +50°C&F Accuracy: +/-1°C
13.	Specific Gravity Measuring apparatus	1	<ul style="list-style-type: none"> Maximum Counts: 9999 Display: 4 Digit 7-Segment Red LED Keyboard: Soft Touch Membrane Keys Cylinder: 2 Nos., 50/100 ml Cylinders Drop Height: 25 mm (Approx.) Power: 230 V ± 10% AC, 50 Hz
14.	Radiation Leak Tester (Microwave)	1	<ul style="list-style-type: none"> Measurement Range: 0-9.99mW/cm2 Warning: 5mW/cm2 Accuracy: (+/-)1db
15.	Digital thermo hygrometer	9	<ul style="list-style-type: none"> Humidity Range: 10 % to 99 % RH Humidity Accuracy: +3 % RH <ol style="list-style-type: none"> 2 * 4 (5 Nos) 4 *4 (4 Nos)

Terms and Conditions

1. **A supplier can quote for one or more than one in the above-mentioned list of equipments and Physical quotation has to be sent to following address by Post/Courier or by hand:**
CEO, BESST-HORT
ICAR-IIHR
Hessaragatta
Bengaluru-560089
Ph.no: 7760883948/9538164928/ 08023086100 (Extn-514)
All quotation should be address to President, BESST-HORT, ICAR-IIHR
2. The quoted price should be in INR & should be inclusive of all taxes & other incidental/installation charges.
3. No alteration/changes shall be allowed, once the quotation submitted.
4. The quotation has to be sent to above mentioned address on or before 20-08-2020 by 3.00 PM.
5. The quoted equipment has to be delivered and installed at the premises of BESST-HORT, ICAR-IIHR, Hesaraghatta, Bengaluru.
6. No advance payment will be made towards the purchase.
7. All payments shall be made through online mode only after successful delivery and installation of the equipment at ICAR-IIHR.
8. The president BESST-HORT, ICAR-IIHR, shall have the right to reject all or any of the offers, accept more than one offer, and assign part of job without assigning any reason.
9. The item should have a warranty of one year (Minimum).
10. The quotation should be valid for minimum 30 days.
11. The seller has to enclose the catalogue/product brochure of the quoted model along with the Quotation.
12. The quotation should include technical specification of quoted model.