



REPUBLIC OF THE PHILIPPINES
NATIONAL IRRIGATION ADMINISTRATION
CENTRAL OFFICE

SUPPLEMENTAL NOTICE No. 1

to the

BID DOCUMENTS

for the

**SUPPLY, DELIVERY, INSTALLATION AND TESTING OF CHEMICAL LABORATORY
EQUIPMENT FOR RESEARCH/SOILS AND WATER AND LABORATORY GROUP,
IRRIGATION ENGINEERING CENTER
ITB No. BS-015-2020-R**

A. The modifications are hereby made on the above-captioned Invitation:


1. Delete pages 32 to 35 (Section VII. Technical Specifications) of the Bidding Documents and replace it with Attachment Sheet No. 1.
2. Delete pages 55 to 56 (Statement of All Ongoing Government form and Private Contracts and Statement of Single Largest Completed Contract form) and replace it with Attachment Sheet No. 2.

Submission of Bids:

1. Bidders are requested to submit three (3) sets of Eligibility and Technical Components (Envelope 1) and Financial Component (Envelope 2).

All other terms and conditions remain unchanged.

For the guidance and information of all concerned.


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Chairperson, BAC-B

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TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	STATEMENT OF COMPLIANCE
<p><u>Revised Specifications of Chemical Laboratory Equipment as of 14 December 2020</u></p> <p>With one-year warranty and after-sales services</p> <p>Supply, delivery, installation and training</p> <p>1. Laboratory Refrigerator (1 unit)</p> <p>Specifications:</p> <div> <div>Capacity</div> <div>: At least 400 liters</div> </div> <div> <div>Temperature Range</div> <div>: Within temperature range of 2°C-10°C</div> </div> <div> <div>Controller</div> <div>: Digital or LCD Display Temperature Controller</div> </div> <div> <div>Accuracy</div> <div>: At least ±0.1°C</div> </div> <div> <div>Shelves</div> <div>: At least with 4 shelves</div> </div> <div> <div>Door</div> <div>: Glass</div> </div> <div> <div>Displays</div> <div>: LCD or LED Display</div> </div> <div> <div>Audible & Visible Alarm</div> <div>: Yes</div> </div> <div> <div>Door Lock</div> <div>: Yes</div> </div> <div> <div>Power Requirement</div> <div>: 220 V, 60 Hz</div> </div> <p>With calibration certificate</p> <p>2. Laboratory Oven (2 units)</p> <p>Specifications:</p> <p>Forced Convection Oven</p> <div> <div>Capacity</div> <div>: At least 108 L</div> </div> <div> <div>Temperature Range</div> <div>: Ambient + within range of 10°C to 300°C</div> </div> <div> <div>Temperature & Time Controller</div> <div>: Microprocess PID Controller</div> </div> <div> <div>Timer</div> <div>: With adjustable timer</div> </div> <div> <div>Shelves</div> <div>: At least 2</div> </div> <div> <div>Electrical Requirement</div> <div>: 230V, 50/60Hz</div> </div> <p>With safety features and calibration certificate</p> <div> <div>Additional Accessory</div> <div>: Additional 3 shelves</div> </div> <p>With calibration certificate</p> <p>With safety features</p> <p>3. Laboratory Water-bath (1 unit)</p> <p>Specifications:</p> <div> <div>Capacity</div> <div>: At least 22 L</div> </div> <div> <div>Temperature Range</div> <div>: Ambient + within 5°C to100°C</div> </div>	

Temperature Controller	: Digital PID Controller	
Timer	: With Selectable Digital Display	
Internal Material	: Stainless Steel	
Drain Valve	: Yes	
Heater Capacity	: At least 1000W	
Electrical Requirements	: 230 V, 50/60 V	
Accessory	: With heater cover and bath lid	
With safety features		
With calibration certificate		
4. Eye/Face Wash (2 units)		
Specifications:		
For Eye/Face wash for wall mounting		
Activated by push handle		
Water bowl and main material: stainless steel		
With dust-proof nozzle cover		
Inlet: ½"		
Outlet: 1-1/4"		
Compliant to standards		
Includes fittings and all other materials necessary for the installation		
5. Safety Storage Cabinet for flammable liquids, hazardous substance (2 units)		
Specifications:		
Double-wall construction with 38 mm insulating air space for fire resistance		
With standardized warning label, highly visible and anti-corrosive		
With unique spill-catcher shelves catch incidental drips		
Durable and chemical resistant, lead-free powder coat inside and outside		
With vents with integral flame arresters		
Corrosion and moisture proof		
Volume (Gal)	: 45	
Door Type	: Double door/manual, with lock	
Adjustable shelves	: 2	
Shelf loading	: 100 kgs	
Compliant to standards		

6. Hotplate, large capacity (1 unit)

Specifications:

Plate material	: Al/Si alloy
Plate dimensions, mm	: 300 x 500 or $\pm 2\%$ of preferred plate dimension
Heated areas, mm	: 300 x 500 or $\pm 2\%$ of preferred heated area
Heater power, W	: at least 1500
Max. plate temp, °C	: 300
Overall dimensions, (w x d x h)	: 520 x 360 x 130 or $\pm 2\%$ of preferred overall dimension
Electrical supply	: 230 V, 50-60 Hz

7. Water Purification System

Specifications:

All-in-one, combination, or individual/separate unit producing types I, II, and III water
Conductivity, TOC level, and resistivity complies with ASTM Standards for Types I, II, and III water

Source	: Tap water
Productivity Rate	: at least 10L / h
Electrical Requirements	: 220V \pm 50/60 Hz

8. Analytical balance (1 unit)

Specifications:

Weighing Capacity	: 220 g
Minimum display	: 0.1 mg
Repeatability (standard deviation)	: at least 0.1 mg
Linearity	: at least \pm 0.1 mg
Pan size	: at least 85 mm
Calibration modes (manual)	: internal (automatic) and external
Power requirement	: 100 V to 240 V
Accessories	: with standard calibration weight/s, tweezers/ weight forks
With calibration certificate	
Compliant to standards	

9. Warranty And Training

- 1 year warranty services and after-sales services applies to all equipment
- Supplier shall provide Training in coordination with the End-users

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