

**Amendment No. 1 to ITB No.: SAMS - FIND- EQUIPMENT PROCT-02/2014 for National Competitive Bidding (NCB) for the Supply, Installation, Testing and Commissioning of Equipment for TB Laboratories across India**

Following amendments are carried out in the ITB No.: SAMS - FIND- EQUIPMENT PROCT-02/2014.

**1. Delivery & Completion Schedule:**

For – “Delivery to all Consignees within 45 days from the date of issue of the Purchase Order/Contract as per the Consignee Distribution List (enclosed)”  
read

“Delivery to all Consignees within 60 days from the date of issue of the Purchase Order/Contract as per the Consignee Distribution List (enclosed)”

2. Technical Specification of Schedule II Precision balance at page no. 47 stands revised as under.

**Schedule II : Precision balance**

<b>Description of function and use</b>
A precision balance is mainly used to weigh dyes for staining solutions and components for culture media.
Temperature variation and erratic electricity will cause precision balance to display erratic readings. Therefore, the balance is to be operated on an antistatic surface (vibration-free), in a room with a constant temperature and a relative humidity >65%.
<b>Main specifications</b>
Top loading balance with die-cast sturdy base provided with leveling screws. The balance should have LCD display with built- in overhead protection, AC adapter, external adjustment weight & built-in below balance weighing hook, automatic shut off and glass draft shield.
Electronic balance, weighing capacity upto 200 g.
Tare range = full capacity by subtraction.
Stabilization time: ≤5 seconds.
Housing resistant to chemicals and cleaning materials.
Stainless steel weighing pan, greater than 80 mm diameter.
Adjustable feet (so the balance can be levelled).
Waterproof display and keypad, sealed by a durable, flexible membrane.
User-friendly menu (preferably in different languages but at least in English) so the balance can be configured to individual requirements.
Level indicator to be close to the display or in the view field of the display.
Built-in motorized calibration of weight with automatic adjustment.
Operating Temperature Range and Humidity Range

10°C to 30°C / (50°F to 86°F) – 25 to 85% RH
Readability: 0.001 g (1 mg).
Repeatability: 0.001 g (1 mg).
Linearity: 0.002 g (2 mg).
Sensitivity Drift (10°C-30°C / 50°F-86°F) ± 20 ppm / °C
Built-in Interface RS-232 Standard. Optional USB adapter cable is available
Electricity requirements
<b>Supply voltage:</b> 230 ± 10 V, AC, 50/60 Hz. Voltage and plugs to be adapted to meet country requirements.
<b>Power consumption:</b> Low.
<b>Optional:</b> Battery with a rechargeable battery pack and main power DC transformer.
Conform to electrical safety standards IEC 60601–1, UL 61010–1, EN61010–1.
Protection class (in accordance with EN 60529).
Designed not to interfere with circuit radio (in accordance with EN 55014).
Documentation
<b>Manufacturer's certificate</b> The manufacturer must have a management system certified to ISO 9001 and CE. One certificate to state that the balance has been calibrated at the factory.
<b>Quality and safety standards</b> met by the product must be listed.
Accessories
Set of NPL certified calibration weights. 10mg to 50g (16 pieces)
Protective dust cover.
Weighing scoop, 90 mm, stainless steel.
<b>Operation and maintenance manual</b> Operation/Maintenance/Service manuals, at least one set, in UN languages, at least in English, and preferably in the official national language have to be provided
<b>Installation and Maintenance:</b> The detailed installation prerequisites have to be communicated to the purchaser in advance. The supplier shall have a functioning after-sale-service in India covering the whole country, including adequate infrastructure, competent and adequately staffed personnel with adequately provisioned spare part store allowing to respond to any complaints and to repair within 7 days.
<b>Standard Maintenance Tools:</b> All standard accessories, consumables, parts required for the proper operation shall be included in the offer. Each bidder has to specify the quantity in its offer of every item or items not specified above.
<b>Spare Parts:</b> Each Balance should be accompanied by an authorized list of accessories and spare parts
<b>Packing data:</b> Packing data are not necessarily part of the bidding process, but are needed for shipment and customs declaration
Net weight & Gross weight
Dimensions (W x H x D) in cm
Appliances must be transported upright (Y/N)
Costumers Tariff Number

**Warranty:** 3 years Warranty starts with installation on site

**Remarks:** The design and workmanship of equipment offered, including power supply, has to be suited to operate properly and continuously under the climatic conditions in India, especially humidity (e.g.  $\leq 90\%$  at  $35^{\circ}\text{C}$ ), permissible ambient temperature (e.g.  $+5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ ), protection against fungi, and possible spikes in the electric network. Each bidder may propose any system / product in addition to the requirements listed above.

**3. Comparative data table of Schedule II Precision balance at page no. 72 stands revised as under**

**Schedule II : Precision balance**

<b>MAIN SPECIFICATIONS:</b>	<b>Compliance with offered equipment / Deviation if any</b>
<b>Main specifications</b>	
Top loading balance with die-cast sturdy base provided with leveling screws. The balance should have LCD display with built- in overhead protection, AC adapter, external adjustment weight & built-in below balance weighing hook, automatic shut off and glass draft shield.	
Electronic balance, weighing capacity upto 200 g.	
Tare range = full capacity by subtraction.	
Stabilization time: $\leq 5$ seconds.	
Housing resistant to chemicals and cleaning materials.	
Stainless steel weighing pan, greater than 80 mm diameter.	
Adjustable feet (so the balance can be levelled).	
Waterproof display and keypad, sealed by a durable, flexible membrane.	
User-friendly menu (preferably in different languages but at least in English) so the balance can be configured to individual requirements.	
Level indicator to be close to the display or in the view field of the display.	
Built-in motorized calibration of weight with automatic adjustment.	
Operating Temperature Range and Humidity Range $10^{\circ}\text{C}$ to $30^{\circ}\text{C}$ / ( $50^{\circ}\text{F}$ to $86^{\circ}\text{F}$ ) – 25 to 85% RH	
Readability: 0.001 g (1 mg).	
Repeatability: 0.001 g (1 mg).	
Linearity: 0.002 g (2 mg).	
Sensitivity Drift ( $10^{\circ}\text{C}$ - $30^{\circ}\text{C}$ / $50^{\circ}\text{F}$ - $86^{\circ}\text{F}$ ) $\pm 20$ ppm / $^{\circ}\text{C}$	
Built-in Interface RS-232 Standard. Optional USB adapter cable is available	
Electricity requirements	

<b>Supply voltage:</b> 230 ± 10 V, AC, 50/60 Hz. Voltage and plugs to be adapted to meet country requirements.	
<b>Power consumption:</b> Low.	
<b>Optional:</b> Battery with a rechargeable battery pack and main power DC transformer.	
Conform to electrical safety standards IEC 60601–1, UL 61010–1, EN61010–1.	
Protection class (in accordance with EN 60529).	
Designed not to interfere with circuit radio (in accordance with EN 55014).	
Documentation	
<b>Manufacturer’s certificate</b> The manufacturer must have a management system certified to ISO 9001 and CE. One certificate to state that the balance has been calibrated at the factory.	
<b>Quality and safety standards</b> met by the product must be listed.	
Accessories	
Set of NPL certified calibration weights. 10mg to 50g (16 pieces)	
Protective dust cover.	
Weighing scoop, 90 mm, stainless steel.	
<b>Operation and maintenance manual</b> Operation/Maintenance/Service manuals, at least one set, in UN languages, at least in English, and preferably in the official national language have to be provided	
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<b>Packing data:</b> Packing data are not necessarily part of the bidding process, but are needed for shipment and customs declaration	
Net weight &Gross weight	
Dimensions (W x H x D) in cm	

Appliances must be transported upright (Y/N)	
Costumers Tariff Number	
<b>Warranty:</b> 3 years Warranty starts with installation on site	
<b>Remarks:</b> The design and workmanship of equipment offered, including power supply, has to be suited to operate properly and continuously under the climatic conditions in India, especially humidity (e.g. $\leq 90\%$ at $35^{\circ}\text{C}$ ), permissible ambient temperature (e.g. $+5^{\circ}\text{c}$ to $+40^{\circ}\text{ C}$ ), protection against fungi, and possible spikes in the electric network. Each bidder may propose any system / product in addition to the requirements listed above.	