



ICMR-NATIONAL INSTITUTE FOR RESEARCH IN REPRODUCTIVE HEALTH

(Indian Council of Medical Research)

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Tender No. NIRRH/ST/18/2020-2021

Date: November 12, 2020

Subject: **Tender for Laboratory Instruments**

Due Date: **03rd December, 2020; 17.00 Hrs.**

TECHNICAL SPECIFICATIONS:

1. PCR Cabinet = 1 No.

Internal Dimension (WxDxH): 630 x 540 x 600 mm

External Dimension (WxDxH): 650 x 545 x 750 mm

Sides 6mm, UV resistant, toughened glass;

Front 4mm, UV resistant, toughened glass with 2 sector hinged window with magnetic latch;

Top made from MS powder coated;

3 Nos. of 15W UV tubes for decontamination;

1 No. of fluorescent light to illuminate the work surface.

Microprocessor based LED timer for UV from 0 to 60 min.

UV should not turn on unless front glass is completely shut.

20mm thick polypropylene work surface.

Warranty: **One / Three Years Comprehensive Warranty**

[Note: Price Bid with two offers (one for 1 year warranty and second for 3 years warranty may be issued)]

2. Horizontal Gel Electrophoresis Apparatus = 1 No.

- Ready to use Horizontal apparatus for nucleic acid and protein separations (duly fabricated to tolerate cleaning reagents used in RNA analysis) with gel gripping UV-transparent tray, male connectors mounted at an angle and uni-directional migration, gel size 10 (w) x 15 (l) cm, comb 1.5mm, PMMA, 10 wells 2 nos., comb stand 2 nos.
- Ready to use Horizontal apparatus for nucleic acid and protein separations (duly fabricated to tolerate cleaning reagents used in RNA analysis) with gel gripping UV-transparent tray, male connectors mounted at an angle and uni-directional migration, gel size 10 (w) x 15 (l) cm, comb 1.5mm, PMMA, 15 wells 2 nos., comb stand 2 nos.
- DC Power Supply, range 300V, 400 mA, 120W, constant voltage or constant current mode with MOSFETS, auto crossover, four outputs, independent digital displays for mA & V with timer.

- Gel casting chamber for tray 10 cm (w) and varying length up to 20 cm.
- Ready to use, UV transilluminator with diffusing UV transparent window (15 l x 18 w cm), six UVA tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chroma filter eye piece.
- Gel documentation system with UVA light source (4 tubes, 4W each) and hi-lo intensity control, 10 x 10 cm window, hood fitted with 18 MP DSLR Camera with filters and software for camera control.

Warranty: **One / Three Years Comprehensive Warranty**

[Note: Price Bid with two offers (one for 1 year warranty and second for 3 years warranty may be issued)]

3. Western Blot Apparatus & Power Supply = 1 No.

Vertical Electrophoresis System (to run 1 – 4 mini gels) + hand gel cast system (combo casting plates) + Gel Transfer (wet transfer) + Power Pack.

Warranty: **One / Three Years Comprehensive Warranty**

[Note: Price Bid with two offers (one for 1 year warranty and second for 3 years warranty may be issued)]

4. Digital Analytical Weighing Balance = 1 No.

- d = 0.1 mg
- Max. Weight = 120 grams
- Internal Calibration Material: Non-corrosive
- Type of Weighing Scale: Digital

Warranty: **One / Three Years Comprehensive Warranty**

[Note: Price Bid with two offers (one for 1 year warranty and second for 3 years warranty may be issued)]

5. Vortex Mixer = 3 Nos.

- Speed Range : 230V: 0 - 2,850 rpm, 120V: 0 - 3,400 rpm
- Operating Modes : Touch or continuous
- Ambient Operating Range : +4° to 65°C
- Dimensions (W x D x H) : 5.5 x 6.3 x 5.1 in/14 x 16 x 13 cm
- Weight : 4.84 lb/2.2 kg
- Electrical : 230V~, 50 Hz or 120V~, 60 Hz

Warranty: **One / Three Years Comprehensive Warranty**

[Note: Price Bid with two offers (one for 1 year warranty and second for 3 years warranty may be issued)]

6. Benchtop Refrigerated Centrifuge = 1 No.

- With swing-bucket rotors to accommodate tubes from 15 ml & 50 ml.
- Maximum speed should be at least 5,000 rpm/3,200 x g for swing out rotor
- Instrument should have option for dedicated rotor for 50/15 ml.
- Instrument should have option for plate rotor.
- It should possess the feature of imbalance detection for enhanced safety.

Warranty: **One / Three Years Comprehensive Warranty**

[Note: Price Bid with two offers (one for 1 year warranty and second for 3 years warranty may be issued)]