

GOVERNMENT OF WEST BENGAL
SCHOOL OF TROPICAL MEDICINE
108 CHITTARANJAN AVENUE
KOLKATA- 700 073

Memo No: STM/Tend-7/19-20/NIT/18/2020

Date: 09-01-2020

NOTICE INVITING TENDER

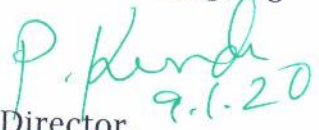
Sealed tenders are invited by the Director, School of Tropical Medicine for procurement of -(Minus) 86 degree Ultra Low Freezer for Department of Biochemistry and Medical Biotechnology as per particulars given below:

1.	Name of Item	Fully MICROPROCESSOR CONTROLLED -86°C UPRIGHT ULTRA LOW FREEZER OPERATED ON 230V/50Hz
2.	Quantity	1 (One)
3.	Technical Specification	<p>A) Environmentally friendly CFC/HCFC free refrigerant should be used.</p> <p>B) Should be insulated of thickness 5" of high density polyurethane foam insulation to maintain temperature for longer time during power failure at an ambient of 32°C</p> <p>C) Should be LCD backlit display for all parameters and seven segment LED display for temperature</p> <p>D) Inner chamber should be made of high quality stainless steel with rounded corner & Outer chamber is made of heavy gauge cold rolled steel with antimicrobial coating which eliminates 99.9% of surface bacteria within 24 hrs</p> <p>E) There should be atleast 2nos. stainless steel shelves with 3 nos. inner doors to minimize cold air loss</p> <p>F) Independent external Heavy door handle with locking arrangement</p> <p>G) Triple point sealed silicon gasket to minimize cold air loss & assure the stable temperature</p> <p>H) Door gasket heating system by hot gas by pass to prevent ice collection on the gasket</p> <p>I) Built-in caster wheel with locking arrangement</p> <p>J) Should be heated pressure equalisation port [PEP] to prevent icing on the vent and allow the freezer door open shortly after adding/removing the samples.</p>

		<p>K) One seamless full wrap copper evaporator tube with no joints reduces any possibility of leak in the field</p> <p>L) Noise level should be around or less than 56 dba</p> <p>M) Capacity should be more than 362 Lit</p> <p>N) Temperature range: -50°C to -86°C at an ambient of + 32°C, 0.1°C increment</p> <p>O) Compressor : Powerful compressor 2 x 1.0 HP (Cascade refrigeration) to attain desired temperature smoothly & quickly</p> <p>P) Refrigerant : 404A & 508B which should be available locally for easy service.</p>
4.	Other Specification	<p>Service Engineer should be overseas factory trained.</p> <p>Should be provided with voltage stabilizer for better protection [5 kVA minimum capacity]</p> <p>There should be 2 years warranty on compressor & complete system also.</p>
5.	Eligibility for participation	<p>Manufacturer/dealer/supplier having valid Trade license, PAN, GST, P Tax certificate and I.T</p>
6.	Estimated Price	To be quoted (including G.S.T.)
7.	Earnest Money	Rs.8,000/- to be paid in favour of "School of Tropical Medicine", in the shape of Bank Draft/Pay order drawn on any scheduled bank
8.	Validity of tender	The rates so quoted will be valid upto 31-03-2020.
9.	Mode of tender	In the letter head of the Manufacturer/dealer/supplier with all necessary documents . To be put in the drop box kept for this purpose in the office of the undersigned
10.	Last date of Receiving tender	21-01-2020 upto 2 p.m.
11.	Date of opening of tender	21-01-2020 at 2.30 p.m.

TERMS AND CONDITIONS :

1. Payment is to be made through ECS/Cheque from Project Fund.
2. The undersigned reserves the right to accept or reject any tender without assigning any reason.



9.1.20
Director,
School of Tropical Medicine,
Kolkata

Memo

~~#5~~ SIM/Tend-7/19-20/NIT/18/2020/1(5) Date : 09-01-2020

Copy forwarded for information and necessary action to;

1. The M.S.V.P., School of Tropical Medicine, Kolkata
2. The Accounts Officer, School of Tropical Medicine , Kolkata
3. The M.O. in Charge, Stores & Dispensary, School of Tropical Medicine , Kolkata
4. The Deputy Superintendent, School of Tropical Medicine , Kolkata
5. Purchase Committee guard file


9.1.20
Director,
School of Tropical Medicine,
Kolkata

GOVERNMENT OF WEST BENGAL
SCHOOL OF TROPICAL MEDICINE
108 CHITTARANJAN AVENUE
KOLKATA- 700 073

Memo No: STM/Tend-8/19-20/NIT/19/2020

Date: 09-01-2020

NOTICE INVITING TENDER

Sealed tenders are invited by the Director, School of Tropical Medicine for procurement of Bipap Machine for CCU as per particulars given below:

1.	Name of Item	Bipap Machine
2.	Quantity	1 (One)
4.	Product Specification, Features and description	Enclosed Annexure "A"
3.	Eligibility for participation	1. Manufacturer/dealer/supplier having valid Trade license, PAN, GST, P Tax certificate and I.T
4.	Estimated Price	To be quoted (including G.S.T.)
	Earnest Money	Rs.5,000/- to be paid in favour of "School of Tropical Medicine", in the shape of Bank Draft/Pay order drawn on any scheduled bank
5.	Validity of tender	The rates so quoted will be valid upto 31-03-2020.
6.	Mode of tender	In the letter head of the Manufacturer/dealer/supplier with all necessary documents . To be put in the drop box kept for this purpose in the office of the undersigned
7.	Last date of receipt of tender	21-01-2020 upto 2 p.m.
8.	Date of opening of tender	21-01-2020 at 2.30 p.m.

TERMS AND CONDITIONS :

1. Payment is to be made through ECS/Cheque from State Budget.
2. The undersigned reserves the right to accept or reject any tender without assigning any reason.


Director,
School of Tropical Medicine,
Kolkata

Memo

~~1(5)~~ STM/Teed-8/19-20/NIT/19/2020/1(5) Date : 09.01.20

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P. Kundu
9.1.20

Director,
School of Tropical Medicine,
Kolkata

ANNEXURE "A"

SPECIFICATION OF BIPAP MACHINE

Product Specification

Usage/Application	Portable
Type	Digital
Modes of ventilation	SIMV(VC)
Application	Hospital, Clinical Purpose
Model	Ventilator,portable bipap with battery
Patient Age Group	Adult
Operation Mode	Battery Operated
Display Type	lcd

Features:

- Hassle free operation
- Compact design
- Excellent performance

Specifications:

Ventilation modes	CPAP, S, S/T, PC, T, AVAPS - AE
Hybrid ventilation	AVAPS (Average Volume Assured Pressure Support)-AE
AVAPS rate	0.5 to 5 cmH ₂ O/min
IPAP	4 – 40 cmH ₂ O
EPAP	4 – 25 cmH ₂ O
Target tidal volume (when AVAPS enabled)	200 – 1500 ml
Breath rate	0 – 40 BPM (4 – 40 BPM in T mode)
Inspiratory time	0.5 – 3 sec.
Triggering and cycling	Digital Auto-TRAK; Sensitive Auto-TRAK ; Flow triggering algorithm
Rise time	1 (100 ms) – 6 (600 ms)
Size	21.6 cm W x 19 cm L x 11.5 cm H
Weight	2.1 Kgs (with power supply)
Noise level	< 30 dBA at 10 cmH ₂ O

Humidification	System One humidity control and 'Dry Box' technology
Alarms	Patient disconnection Apnea Low minute ventilation Low tidal volume (with AVAPS only) High respiratory rate
Monitoring	Pressure, tidal volume, minute ventilation, respiratory rate, Leak, I/E ratio
Battery back up	Detachable battery module: 11 hours at IPAP 12 cm / EPAP 7 cm H ₂ O and 12 BPM
DC power source	12 VDC, 5.0 A (external battery), 24 VDC, 4.2 A (power supply)
Data management	EncorePro 2 and DirectView software Compatible with oximetry module Advanced detection of residual respiratory events (Apnea/Hypopnea Index, Obstructed Airway Apnea, Clear Airway Apnea, Hypopnea, Periodic Breathing, RERA, Large Leak and Snore)

Remote control: Compatible with PC Direct

Polygraph and to connect Polysomnograph Connections: Direct connection to Alice PDx and Alice6 PSGs, AOM to most PSG systems

Product description:
different.

technological

enhanced

Invasive

Capable of Tailored ventilation as every patient is

Designed to combine ease of use and comfort with

Innovations that adapt to patient's condition to deliver

Therapy.

The device should be capable of Non-invasive and

Ventilation.

P. Kundu
9.1.20

Director,
School of Tropical Medicine,
Kolkata

**GOVERNMENT OF WEST BENGAL
SCHOOL OF TROPICAL MEDICINE
108 CHITTARANJAN AVENUE
KOLKATA- 700 073**

Memo No: STM/Tend-9/19-20/NIT/20/2020

Date: 09-01-2020

NOTICE INVITING TENDER

Sealed tenders are invited by the Director, School of Tropical Medicine for purchase of Class II A2 type biological safety cabinet for Bacteriology and Serology unit, Department of Microbiology as per particulars given below:

1.	Name of Item	Biological safety cabinet class II A2 type
2.	Quantity	1 (One)
3.	Specification for Class II A2 type biological safety cabinet	<ol style="list-style-type: none">1. The cabinet should be advanced microprocessor control, which supervises operation of all cabinet functions. Temperature-compensated air velocity sensor monitors both exhaust and down flow. 24-hour clock, UV timer, UV run hour meter, and blower run hour meter are standard.2. There should be programmable PIN, which restricts unauthorized cabinet access.3. The Biological safety cabinet should comply International Standard Certificates like EN , ISO, UL etc4. The cabinet should have energy efficient ECM blower motor.5. The cabinet should have long life DUAL ULPA Filter for supply and exhaust (per IEST-RP-CC001.3) with 99.999% efficiency for particle size 0.1 to 0.3 microns.6. Should be raised armrest for elevates the operators arms to prevent inflow grille blockage for safety work.7. Work tray should be made of single piece stainless steel type 304, with 48 finish8. Programmable automatic UV light timer should simplify operation and extending UV light life and saving energy.9. The Cabinet outer surface should have germicide coating for minimizing contamination.10. There should be sliding front sash which can be fully opened to insert and remove large instruments.11. The cabinet should come with following accessories: UV lamp, electrical outlet sockets and fully SS movable stand with wheels & brakes [antimicrobial coated) for easy movement.12. Should have service station at Kolkata with trained engineer.13. Should be provided original literature.
4.	Eligibility for participation	Manufacturer/dealer/supplier having valid Trade license, PAN, GST, P Tax certificate and I.T
5.	Estimated Price	To be quoted (including G.S.T.)

6.	Earnest Money	Rs.8,000/- to be paid in favour of "School of Tropical Medicine", in the shape of Bank Draft/Pay order drawn on any scheduled bank
7.	Mode of tender	In the letter head of the Manufacturer/dealer/supplier with all necessary documents and bank draft. To be put in the drop box kept for this purpose in the office of the undersigned
8.	Last date of receiving tender	21-01-2020 upto 2 p.m.
9.	Date of opening of tender	21-01-2020 at 2.30 p.m.
10.	Date of supply	Within 10 days of receiving order

TERMS AND CONDITIONS :

1. Payment is to be made through ECS/Cheque from State Budget.
2. The undersigned reserves the right to accept or reject any tender without assigning any reason.

P. Kanda
9.1.20
Director,
School of Tropical Medicine,
Kolkata

Memo. *HIS) SGM/Tend-9/19-20/NIT/20/2020/1(5) Date : 09.01.20*

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5. Purchase Committee guard file

P. Kanda
9.1.20
Director,
School of Tropical Medicine,
Kolkata

GOVERNMENT OF WEST BENGAL
SCHOOL OF TROPICAL MEDICINE
108 CHITTARANJAN AVENUE
KOLKATA- 700 073

Memo No: STM/Tend-10/19-20/NIT/21/2020

Date: 09-01-2020

NOTICE INVITING TENDER

Sealed tenders are invited by the Director, School of Tropical Medicine for purchase of Lyophilised Flu typing kit for H1N1 pdm09, H3N2, with all buffers and controls included for Virology Unit, Department of Microbiology as per particulars given below:

1.	Name of Item	Lyophilised Flu typing kit for H1N1 pdm09, H3N2, with all buffers and controls included
2.	Quantity	4 (Four) kits (4 x 48 tests)
3.	Specification	<ul style="list-style-type: none">• Should be in a kit format, and not primer probe mixes• Should be CE_IVD certified with documentary evidence• Should be Lyophilised with mastermixes distributed in individual PCR wells which can be used directly for testing• Should have internal control that runs by default with every test• Should have lyophilized positive control in the kit and not to be purchased separately• Kits must be compatible with ABI 7500 FastDx for which documentary evidence must be provided from the manufacturer along with programming guidebooks/manuals from the manufacturer• The kits should have extended stability of at least 15 months at room temperature from the date of manufacture and documentary evidence from the manufacturer.• Must detect and differentiate between the following Influenza A virus subtype on the ABI 7500 FastDx real time PCR system without needing any additional software to be purchased H1N1pdm09, H3N2.

4.	Eligibility for participation	Manufacturer/dealer/supplier having valid Trade license, PAN, GST, P Tax certificate and I.T
5.	Estimated Price	To be quoted (including G.S.T.)
6.	Earnest Money	Rs.4,000/- to be paid in favour of "School of Tropical Medicine", in the shape of Bank Draft/Pay order drawn on any scheduled bank
7.	Mode of tender	In the letter head of the Manufacturer/dealer/supplier w all necessary documents and bank draft. To be put in the drop box kept for this purpose in the office of the undersigned
8.	Last date of receiving Tender	21-01-2020 upto 2 p.m.
9.	Date of opening of tender	21-01-2020 at 2.30 p.m.
10.	Date of supply	Within 10 days of receiving order

TERMS AND CONDITIONS :

1. Payment is to be made through ECS/Cheque from State Budget.
2. The undersigned reserves the right to accept or reject any tender without assigning any reason.


 Director,
 School of Tropical Medicine,
 Kolkata

Memo

~~1/15~~ SGM/Genud-10/19-20/NIT/21/2020/1/5

Date : 09-01-2020

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 Director,
 School of Tropical Medicine,
 Kolkata

GOVERNMENT OF WEST BENGAL
SCHOOL OF TROPICAL MEDICINE
108 CHITTARANJAN AVENUE
KOLKATA- 700 073

Memo No: STM/Tend-11/19-20/*NIT/22/2020*

Date: 09-01-2020

NOTICE INVITING TENDER

Sealed tenders are invited by the Director, School of Tropical Medicine for procurement of Automatic Biphasic Defibrillator for CCU as per particulars given below:

1.	Name of Item	Automatic Biphasic Defibrillator
2.	Quantity	1 (One)
4.	Product Specification, Features and description	Enclosed Annexure "A"
3.	Eligibility for participation	1. Manufacturer/dealer/supplier having valid Trade license, PAN, GST, P Tax certificate and I.T
4.	Estimated Price	To be quoted (including G.S.T.)
	Earnest Money	Rs.5,000/- to be paid in favour of "School of Tropical Medicine", in the shape of Bank Draft/Pay order drawn on any scheduled bank
5.	Validity of tender	The rates so quoted will be valid upto 31-03-2020 .
6.	Mode of tender	In the letter head of the Manufacturer/dealer/supplier with all necessary documents . To be put in the drop box kept for this purpose in the office of the undersigned
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8.	Date of opening of tender	21-01-2020 at 2.30 p.m.

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2. The undersigned reserves the right to accept or reject any tender without assigning any reason.

P. Kundu
Director, *9.1.20*
School of Tropical Medicine,
Kolkata

Memo

~~15~~ STM/Tend-18/19-20/NIT/29/2020/1 (5) Date : 09-01-2020

Copy forwarded for information and necessary action to;

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Director, 9.1.20
School of Tropical Medicine,
Kolkata

ANNEXURE "A"

Specification of Automatic Biphasic Defibrillator

1. **Application:** CCU
2. **Automation grade:** automatic
3. **Operation mode:** Automatic
4. **Type:** Automatic External Defibrillator, Biphasic Defibrillator
5. **Display:** Large multi-color display with Approximately 6.5 in (16.5 cm) diagonal viewing area for easy viewing of up to 3 waves, numeric values, and alarm limits in the parameter bar, as well as patient condition information. Resolution 640 x 480 pixels (VGA) with 32 brightness levels
6. **Front panel lights** indicating AC and battery power. No need for staff to check that the AC power cord is connected or charge batteries separately.
7. **Adult/Child or Infant defibrillation pads** designed for manual or AED mode, pacing, cardioversion, and monitoring. No special pads required for infant/child AED mode.
8. **Single therapy knob** to turn device on/off, as well as select mode and energy.
9. **Easy Defibrillation as 1-2-3:** 1. Select energy. 2. Press Charge button to charge the defibrillator. 3. Press Shock button to deliver therapy.
10. **Integrated strip chart recorder** (printer) for documentation of ECG rhythm strips, clinical events, event summary reports, vital signs trending, operational checks, configuration, status logs, 3-lead and 5-lead ECG reports, and other device information in 50 mm standard paper strip.
11. **Battery:** Minimum 14.4 V, rechargeable lithium ion battery. When a low battery message first appears there is still enough energy for at least 10 minutes of monitoring and 6 maximum energy discharges.
12. **Size** 23 cm x 29.6 cm x 27.9 cm. Weight 6.6 kg, includes one battery, one new roll of paper, one pads cable. Standard operator Position: Within one meter of the device.
13. **Mode of operation:** Continuous AC Line powered 100-240 VAC, 50 or 60 Hz, 1-0.46A.
14. **Meets Ingress Protection level IP21.** EMC Complies with the requirements of standard EN 60601-1-2:2002
15. **Life** Approximately 3 years
16. **Capacity** With a new fully charged battery, at 20 °C(68 °F), one of the following: At least 3 hours of monitoring (ECG and SpO₂ monitored continuously and NBP sampled every 15 minutes) followed by 20 full-energy charge/shocks; OR at least two hours of pacing (180ppm at 140Ma with 40 msec pulse width) while monitoring (ECG and SpO₂ monitored continuously and NBP sampled every 15 minutes) followed by 20 full-energy\ charge/shocks; OR at least 175 full energy charge/shocks
17. **Continuous ECG:** The Print button starts and stops the strip. The printer can be configured to be run real\time or with a 10 second delay. The strip prints the primary ECG lead and a second wave with event annotations and measurements
18. **Auto printing:** The printer can be configured to automatically print on Mark Events, Charge, Shock and Alarm Reports. The following can be printed: Event Summary (Long or Short), Vital Signs Trends, Operational Check, Configuration, Status Log, Device Information Speed 25 mm/s with an accuracy of ±5%
19. **Patient impedance range:** Minimum: 25 ohm (external defibrillation);15 ohm (internal defibrillation); Maximum:250ohm. Actual functional range may exceed

these values.

20. Power Consumption: 30 Watts [Max] in ECG mode

Operating Temp: -5°C to $+50^{\circ}\text{C}$

Humidity: up to 95% non condensing

Input : 150 ~ 276VAC, 50 Hz

Output : 17V ~ 4A

Operating Mode: Manual

Waveform: Biphasic

Energy : 2 to 200 joules in 12 Steps [2, 3, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200 Joules]

21. Adult and Paediatric paddles support

Charging Time: less than 8sec

Synchronous: Energy delivery begins within 60ms of the QRS Peak

Paddle Assembly: Energy paddle assembly with coil retractable high voltage cable

Adults & Paediatric paddle integrated into the same handle Check mode: Manual test mode

22. Charge time • 3 seconds to the recommended adult energy level (150 Joules) with a new fully-charged battery installed • Less than 5 seconds to the selected energy level (up to 200 Joules) with a new fully charged battery installed

- Less than 15 seconds to the selected energy level while connected to AC power only
- The device to be powered on in manual defibrillation mode ready to deliver shock in less than 8 seconds plus applicable charge time, assuming an immediate selection of an energy and initiation of a charge, even at 90V AC and after 15 maximum energy discharges
- The device to be powered on in AED mode ready to deliver shock in less than 17 seconds plus applicable charge time.

P. Kundu
9-1-20

Director,
School of Tropical Medicine,
Kolkata