<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name Of The Items</th>
<th>Specification If Any</th>
<th>Unit(s) required*</th>
</tr>
</thead>
</table>
| 1    | DEEP FREEZER              | ✓ Manual Temperature Control  
✓ Digital Temperature Display  
✓ Adjustable temperature range  
(-10°C to -40°C)  
✓ Inbuilt temperature and voltage stabilizer  
✓ Highly efficient Compressor  
✓ CFC free refrigerants  
✓ Audible and visible malfunction Alarms for temperature/ voltage outside the set range, power failure.  
✓ Broad climate tolerance  
✓ Storage capacity: Approximately 90-100 liters  
✓ Storage boxes and racks for easy operation  
✓ Should be FDA or European CE approved or equivalent standard product.  | 1 (One) Nos.            |
| 2    | BIOSAFETY CABINET         | ✓ NSF 49/EN1249 or Equivalent standard  
✓ Approximately 3- 4 Feet length X 2 feet Depth  
✓ Bio safety cabinets Class II, Type B2 : Stainless steel interior  
Epoxycalnd test exterior  
Removable, seamless, dished work surface with lift out knobs  
✓ Door- Fully closing, clear 1/4” tempered safety glass/ fibre sheet, sash Counter balanced with base stand.  
✓ Circulation: Exhaust through HEPA filters, 70 % air recirculation  
✓ UV and sufficient illumination for work space.  
✓ Installation & onsite validation  
✓ Calibration certificates  
✓ Manuals: Operation, maintenance & part list with detailed specifications  
✓ Operational & maintenance Training  
✓ Should include 210-240V/50 Hz power supply  | 1 (One) Nos.            |
| 3    | ELECTRIC LOOP STERILIZER  | ✓ Loop sterilizer for Protecting laboratory staff from dangerous gases/flame/splatter  
✓ May reach temperature up to 1500°F.  
✓ Sterilize metal inoculating loops or needles in 5-7 seconds after reaching optimum sterilization temperature by infrared heat.  
✓ Adjustable height and loop rest.  | 4 (Four) Nos.           |
4. **FIXED VOLUME SINGLE CHANNEL PIPETTES**
   - Range: 5 μL
   - ISO CERTIFIED, fully autoclavable, single channel pipettes of variable volume compatible with universal tips.
   - Accuracy: ±1.0 to 0.6%
   - Precision: 0.6 to 0.2%
   - 2 (Two) Nos.

5. **FIXED VOLUME SINGLE CHANNEL PIPETTES**
   - Range: 25 μL
   - ISO CERTIFIED, fully autoclavable, single channel pipettes of variable volume compatible with universal tips.
   - Accuracy: ±1.0 to 0.6%
   - Precision: 0.6 to 0.2%
   - 2 (Two) Nos.

6. **ADJUSTABLE VOLUME SINGLE CHANNEL PIPETTES**
   - Range: 5-100 μL
   - ISO CERTIFIED, fully autoclavable, single channel pipettes of variable volume compatible with universal tips.
   - Increment: 1μL
   - Accuracy: ±12.0 to 2.5%
   - Precision: 10.0 to 2.0%
   - Total 8 Nos including 2 (Two) Nos. for Microbiology and 6 (Six) Nos. for Blood Bank

7. **ADJUSTABLE VOLUME SINGLE CHANNEL PIPETTES**
   - Range: 50-500μL
   - ISO CERTIFIED, fully autoclavable, single channel pipettes of variable volume compatible with universal tips.
   - Increment: 1μL
   - Accuracy: ±2.5 to 1.0%
   - Precision: 2.0 to 0.5%
   - Total 8 Nos including 2 (Two) Nos. for Microbiology and 6 (Six) Nos. for Blood Bank

8. **FIXED VOLUME SINGLE CHANNEL PIPETTES**
   - Range: 10 μL
   - ISO CERTIFIED, fully autoclavable, single channel pipettes of variable volume compatible with universal tips.
   - Accuracy: ±3.0 to 1.0%
   - Precision: 2.5 to 0.4%
   - 2 (Two) Nos.

9. **FIXED VOLUME SINGLE CHANNEL PIPETTES**
   - Range: 20 μL
   - ISO CERTIFIED, fully autoclavable, single channel pipettes of variable volume compatible with universal tips.
   - 2 (Two) Nos.
### Hospital Open Tender – List of Items (Microbiology)

**Tender ID – 2017_BSAH_130983_3**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Details</th>
<th>Quantity</th>
</tr>
</thead>
</table>
| 10  | **FIXED VOLUME SINGLE CHANNEL PIPETTES** Range: 50 μL | - Range: 50 μL,  
- ISO CERTIFIED, fully autoclavable, single channel pipettes of variable volume compatible with universal tips.  
- Accuracy: ±1.0 to 0.6%  
- Precision: 0.6 to 0.2% | Total 6 (Six) Nos including 2 (Two) Nos. for Microbiology and 4 (Four) Nos. for Blood Bank |
| 11  | **FIXED VOLUME SINGLE CHANNEL PIPETTES** Range: 100 μL | - Range: 100 μL  
- ISO certified digital multichannel pipettes of variable volume compatible with universal tips. Applications: provision for 6, 24, 96 well applications  
- Precision: 2.0 to 0.7% | Total 6 (Six) Nos including 2 (Two) Nos. for Microbiology and 4 (Four) Nos. for Blood Bank |

*The quantity is approximate and may vary at the time of placing orders.*