NAIROBI CITY COUNTY
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HEALTH, WELLNESS AND NUTRITION
Office of the County Chief Officer - Health Facilities

ADDENDUM NOTICE

ATTENTION: ALL INTERESTED BIDDERS

Reference is made to **Tender No. NCC/HWN/T/294/2025-2026 – Supply and Delivery of Medical Equipment for Parklands Cancer Centre**, published on **2nd March 2026**.

Please note that the **technical specifications for the equipment** are hereby attached for your review and consideration.

All other terms and conditions of the tender remain unchanged.

We regret any inconvenience caused and appreciate your understanding.

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COUNTY CHIEF OFFICER-HEALTH FACILITIES
CC–CECM-Health Wellness and Nutrition

1. **AUTOCLAVE**

- CHAMBER DIMENSIONS (mm): L x W x D =160 x 160 x 40
- VOLUME:- 100 litres
- Should be double insulated
- Loading should be vertical

VOLTAGE SUPPLY: -

- Should be three phase
- Voltage: - 380V / 415V 3-Phase with Neutral
- Frequency:-50 Hz or 60 Hz
- STEAM GENERATOR POWER..... 27KW
- LANGUAGE.....English

STANDARDS AND CODES:-

- Europe: EN285: 2006+A2:2010 for Large Autoclaves

Safety and EMC Standards: -

- EN 61010-1: 2001 EN 61010-2-040: 2005 EN 61326-1: 2006

Door Gasket: -

- Should be a silicone gasket fixed in a groove in the door frame to be sealed against the door by means of steam pressure.

Insulation:-

- The sterilizer jacket and door should completely be insulated with a 1" chloride free glass wool so as to keep the autoclave cool on the outside.

SAFETY FEATURES

- Door Safety Systems:-
    - The door should have a pneumatic safety component (pressure switch) installed in the autoclave to prevents opening of the doors until pressure in the chamber reaches room pressure.
    - Door chamber should not open when chamber is pressurized
    - Steam should not allowed into the chamber when the door is open
    - A cycle should not start if the door is open or not properly locked
    - The sliding door movement should stop immediately if an object is detected in front of the closing door
    - For double door, both doors should not be able to open simultaneously

Safety Valves:-

- Both chamber and jacket should be equipped with pressure relief safety valves so that if the pressure exceeds the allowed limit then the safety valves will discharge.

Built-in Steam Generator Safety:-

- Should have a water level control system to maintain a constant water level that ensures safe operation of the heaters.

Emergency Shut-Off: -

- Should have an easily accessible emergency switches for immediate cycle shut-off.

PRESSURE GAUGES: -

- Should be installed with pressure gauges that indicate the pressure in the chamber, jacket, door gasket, and the steam generator. These pressure gauges should be located on the autoclave's front panel (loading side).

STEAM GENERATOR:-

- The autoclave should be supplied with a steam generator.

CONTROL SYSTEM:-

- The control system should be able to have the following features:
    - PID (Proportional Integral Differential) pressure control
    - Digital inputs and outputs for sterilizer control
    - Analog inputs for control and reading temperature and pressure
    - A USB port for external devices and an optional barcode feature.
    - Direct connection to an internal thermal printer
    - An Ethernet communication port for access via a network
    - Measures chamber pressure and steam generator pressure
    - FLASH memory stores cycle data for the last 200 cycles even if there is a power failure

- Two real-time clocks (RTC) for supervising cycle time errors In/Out test
- Preventative maintenance notification based on number of cycles or time period

TEMPERATURE AND PRESSURE SENSORS:-

- Should be fitted with both temperature and pressure sensors which should be able to be displayed on the monitor screen.

CONTROL PANNEL:-

- Should be on the loading side of the autoclave.

NOTE:-A PROVISION FOR TRAINING OF ATLEAST TWO MEDICAL ENGINEERING STAFFAND TWO USERS

2. WEIGHING SCALE WITH HEIGHT METER

- The scale should be of :
  - Mild steel baked epoxy coated
  - Pillar type
  - 0-200 Kg
  - LCD/LED type, clearly marked digital display in Kg
  - Up to 2100 mm with accuracy of 5mm
  - A/C 240V and DC with internal dry cell batteries to be provided
- ISO 9001 or any other internationally recognized standards
- CE marked or any other internationally recognized documents
- Installation and testing
  - Complete installation and set up of the machine as per manufacturer's instructions
- Commissioning
  - Testing and commissioning of the machine to the satisfaction of the user must be done.
- Warranty
  - Minimum of one year after commissioning on all parts.

3. Wheel chair

- Wheel chair, folding type, constructed from chrome plated robust mild steel (3/4"), push type and self-propelling, with footrest, brakes, washable seat and solid tyres.
- Seat and back upholstered with strong inner material and removable Plastic hand grips, Cushioned arm rests, Padded leg rest, removable, Solid tyre wheels, Rear wheel locks and Metal side panels
- Overall length: 41 inches
- Overall width: 30 inches (unfolded)
- Depth: 16 inchs
- Warranty: Minimum of one year after commissioning on all parts.

4. **Medicine trolley**

- constructed from rigid stainless steel, with antistatic castors ϕ 100 mm swivel, with 2 stainless steel shelves, with drawers and guard rail on all sides
- Main Unit
  - Material of main unit All stainless steel, tubular frame
- Type
  - 2 stainless steel shelves- Top and bottom
  - Top shelve With guardrails and two drawers
  - Bottom shelf Provided, with guardrails on all sides
- Dimensions
  - 600 L X 450 W X 850 H (mm)Adjustable, mechanical Mobile With 4 Antistatic 100mm swivel, with brakes
- Quality Standards
  - Manufacturing standards ISO 9001 or any other internationally recognized standards
  - Conformity to standards CE marked or any other internationally recognized documents
- Warranty

-Minimum of one year after delivery

5. **Patient trolley**

•	Should have three sectional mattress base made of X Ray translucent high pressure laminate with facility to insert X Ray Cassette from either sides & ends of the trolley.
•	Should be able to X Ray the patient from positions along the entire length and width of the trolley.
•	Should have pneumatic stepless adjustment for back section. Trendelenburg (app. 14Degree) and reverse trendelunberg (app.7 Degree). Should have hydraulic height adjustment app. 580-945 mm
•	Should have hydraulic height adjustment with a foot paddle on either side of the trolley
•	Frame of the trolley should move with mattress base when foot section / back section is adjusted.
•	Frame should be made up of epoxy powder coated steel
•	Should have Central braking system with steering facility
•	Should be equipped with heavy duty castors diameter 150 mm
•	Should have bumpers at all the four corners of the trolley

- Should have facility to fix IV rod at all the four corners and middle of mattress base frame.

- Should have place for fixing Oxygen Cylinder
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- Should be able to Collapsible Side Rails, 01 pair

  Should have I.V. Rod 02 pc

- Dimensions :
  Max. Length : 2000-2100 mm
  Max. Width : 730-750 mm
  Height : 535 – 905 mm
  Trendelenburg : 14-20 deg stepless
  Anti Trendelenburg : 7-10 deg stepless
  X ray viewing area : entire length

- Mattress should be made of durable lectrolite material, should be antistatic, should be secured with self adhesive straps

  Provide;

  1. User and maintenance Manual in English
  2. Certificate of Calibration and inspection from the factory
  3. List of important spares and accessories with their part number and costing.

6. Refrigerator

1. Should be ISO 9001, 13485 & 14001 certified product
2. Pharmaceutical Refrigerator with built in -20°C Deep Freezer
3. One unit with dual temperature zone
4. Refrigerator capacity should be >300L with temp. range from +2°C to +14°C
5. Freezer capacity should be >75L with temp. range from -20°C to -30°C
6. Should have overall dimensions approximate 75cmW x 55cmD x 175 cmH
7. Exterior material: Galvanised steel with baked on finish
8. Interior material for Refrigerator: Stainless steel and Interior material for Freezer: Colored aluminum plate
9. Accurate temperature control by Microprocessor control system
10. Fan-forced air circulation system for fast recovery of temperature and better uniformity
11. Unique cycle defrost system to prevent temperature rising by shorter defrost cycles
12. Four-door design that reduces air loss during door opening
13. Triple-pane windows with heat reflection film to reduce condensation

14. It should have three sections of refrigerator and one section of freezer
15. Should have Quiet operation
16. Environment-friendly refrigerant: HFC
17. Shelves for Refrigerator - Large: 2 No., Small: 3 No., Shelves for Freezer – 1 No.
18. Rigid Polyurethane foamed in place Insulation
19. Should have 4 casters with 2 adjustable leveling feet
20. Should have safety features as Audio visual High/low temperature alarm and Door ajar alarm
21. Should have Door key lock for safety
22. Should have Memory back-up during power failure and Self diagnostics function
23. Should have Remote alarm contact for alarm acknowledgement

7. LABORATORY REFRIGERATOR CUM DEEP FREEZER

Refrigerator cum deep freezer maintains two distinct temperature zones. The refrigerator zone is for chilling above zero and freezer zone is for sub- zero temperatures.

1. Fridge is required at temperatures $+5^{O}$ C to $+15^{O}$C
2. Freezer to maintain temperatures -20^{O} C to – 35^{O}C.
3. Storage Capacity/Volume: Fridge: 150-260 Litres ; Freezer: 100-150 Litres.
4. Construction:
    - Internal: Stainless steel/Galvanized steel (min.9 mm, 22 g) plus an additional special ice-lining consisting of icepacks covered by strong plastic shell.
    - External: Corrosion Resistance (CR at least 1 mm thickness)
    - Chest type with CFC – free insulation
    - Upright trays
    - Solid door with lock and handle
    - Foam pad cover
5. Type: Compression Cycled, CFC-Free Refrigerant R-134a(both for refrigeration and insulation) Cooling coil of Copper
6. Compressor starting at 22% below rated voltage (both hot and cold starts).
7. Individual display for temperature inside the freezer and the fridge.
8. Individual alarm for Low/High temperature inside freezer and the fridge.
9. Provision for drainage for the waste water. Easy access to this waste water container for disposal of waste water. Compatible water trap system
10. Should have adjustments for uneven bases. The adjustments should be easy to use like rotating a screw at the legs in the base.
11. Spill proof adjustable shelves/drawers.
12. Control panel with digital display.
13. Humidity controller in both the compartments.
14. Frost free system
15. Internal illumination
16. Door locks alarm.
17. Power input to be 220-240VAC, 50Hz
18. Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications.(Input 160-260 V and output 220-240 V and 50 Hz)
19. Should be FDA , CE,UL or BIS approved product

20. Electrical safety conforms to standards for electrical safety IEC 60601-1 (OR EQUIVALENT international/national standard) General requirement for Electrical safety of Medical Equipment.
21. Comprehensive warranty for 2 years and 5 years CMC after warranty
22. Manufacturer should be ISO certfied for quality standards.
23. User/Technical/Maintenance manuals to be supplied in English.
24. Certificate of calibration and inspection.
25. List of important spare parts and accessories with their part number and costing.

8. Examination couch

- Approx. Overall size 1820-1830mm L × 600- 610mm W × 750-760mmH.
- All mild steel sheets used should be of CRCA quality.
- Table Top should be of 18G CRCA sheet in two sections.
- The main top should be double bent four sides.
- The top should have perineal recess made for 18G CRCA sheet and SS box at leg end with 'C' Channel sliding.
- Complete with the pair of SS lithotomy rods made from 12mm dia SS304 grade round bars with rexine ankle straps insert gear arrangement.
- The top should be of support of 31 × 35 × 2mm made from CRCA sheet one side having support of 31 × 3mm to receive the back section.
- The back section shall be 18G CRCA sheet in double bend at three sides and one side closed beading having support of 35 × 3mm to receive main section a support must be provided with 25 × 5mm HR flat having welded to the support flat.
- A ratchet flat shall be provided to with M.S. support rods 3/8". 1
- The head flap adjustable on several indications both up and down and by easily accessible rack.
- Foot end welded tubular framework made of 31.7 O.D. × 18G tube for verticals & 25.5mm O.D. × 18G horizontal.
- Gap between two legs must be 950-960mm lengthwise & 520mm-530mm widthwise.
- Head end welded tubular framework made of 31.7mm O.D.× 18G tube for verticals & 25.5mm O.D.× 18G horizontal.
- The leg must be fitted with rubber shoes with nylon inserts.
- All components should be thoroughly pre-treated chemically to remove rust & foreign matter like grease, oil etc by dip tank processes, including separate degreasing, de-rusting, phosphating each followed by water rinsing & hot air drying to give phosphate coating conforming IS 3618-1966 class C. The treated metal surface should then be coated with epoxy polyester powder with paint film thickness of 50 microns & oven baked at 180 degree 200 degree centigrade. This finish should exclude stainless parts, some hardware, ebonite rubber, PVC, castor wheels, if any.
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9. Patient mattress

Should be of

- Polyurethane foam, with removable PVC cover for easy cleaning and replacing.
- Foam density should be of a minimum of 27kg/m3

- Thickness of 10cm
- The Indentation Load Deflexion factor should be 15 to 16 kg.
- The cover must be PVC-coated canvas. This cover must resist washing with chlorine.

10. Digital water-bath

- Tank: High grade SS tank
- Capacity: 5 to 8 litres
- Temperature range: Ambient to 99° C
- Temperature accuracy: ± 0.2° C
- Temperature control: Digital PID control
- Timer: 0.1 Hour to 99.9 Hours & continuous
- Safety protection: User settable and fixed thermal cut-out
- Display: Digital display of temperature
- Alarm : Low level water alarm, safety shut down audible/visual alarm
- Operating voltage: 230 ±10VAC, 50 Hz.
- Tank design for easy cleaning and draining
- Steel holder for tubes (1.5/2 ml, 5ml, 15 ml) and Flasks (50, 100 & 250 ml)
- Comprehensive warranty for two years
- After Sale, Service should be available promptly.

11. BIO-SAFETY CABINET

General Description

- Biosafety cabinet, mobile on four antistatic castors. Class II, type A, microprocessor controlled with digital display, exhaust duct, UV light, and laminar air flow
- Application Capable of providing protection for personnel, environment and product, Class II, Type A
- Construction Front open type, with laminar flow, ventilated cabinet and exhaust fan
- Sterilization UV light
- Exhaust Exhaust fan, low noise operation
- Ventilation Mass air flow; recirculation and exhaust; constant velocity
- Filtration By sterile HEPA filter, replaceable
- Display LCD display of Air flow, UV light indicator,
- Safety class Class II, Type A
- Main unit 1.2 meters (4ft)
- External dimensions About 130cm x 80 cm x 200cm (WxDxH)
- Power Requirements 240V, A/c 50 Hz, Single phase, with PE Ambient temperature 10 ° C to 40 ° C Relative humidity 40% to 90%
- ISO 13485 Standards or any other recognized International Standards,
- Complete installation and setup of the machine as per manufacturer's instructions
- User Training On site user training on operation and daily up keep
- Maintenance training Onsite maintenance training on preventive maintenance
- Provide User manuals 2 Sets and Service Manual 1 Set
- Testing and commissioning of the machine to the satisfaction of the user.

- Equipment Minimum Warranty of one year after commissioning on all parts.
- Input Ac 240V, 50Hz, Single phase ± 15%
- Output Ac 240V, 50Hz, Single Phase ± 2.5 %

12. Centrifuge

1. Speed: Maximum Range 4000 to 6000 RPM.
2. Reciprocating Centrifugal force (RCF): 3000 to 3500.
3. Minimum Capacity: 240 ml.
4. Digital Timer range: 0 to 59 minutes.
5. Auto Lid interlock to prevent opening while running centrifuge with emergency lidlock release.
6. Motor imbalance detector feature - desirable.
7. Microprocessor with digital display.
8. Dynamic break for quick deceleration.
9. Stainless steel Chamber easy to clean.
10. Hinges to prevent door falling.
11. Rotor Sizes: 16 x 15ml.
12. Rotors should be autoclavable.

- **Accessories:-**
  Rubber adapter should be provided for the use of vacutainer for 3ml and 5ml.
- **Power:-** 220-240v, 50HZ
- **Standards and safety:-**
  1. Should be FDA/CE/BIS approved product.
  2. Manufacturer and Supplier should have ISO 13485 certification for quality standards.
  3. Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard).
  4. Shall meet internationally recognized for Electromagnetic Compatibility (EMC) for electro-medical equipment: 61326-1.
  5. Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.
- **Training:-**
  1. Training of users on operation and basic maintenance;
  2. Advanced maintenance tasks required shall be documented.
- **Warranty:-** 3 years
- **Documentation:-** Should provide 2 sets(hardcopy and soft-copy) of:-
  1. User, technical and maintenance manuals to be supplied in English language along with machine diagrams;
  2. List of equipment and procedures required for local calibration and routine maintenance;
  3. Service and operation manuals (original and copy) to be provided;
  4. Advanced maintenance tasks documentation;
  5. Certificate of calibration and inspection

13. Laboratory Incubator

- General Description: To be used for standard laboratory cultivation. The unit should be constructed from robust, corrosion free outer material. Interior part should be constructed from high grade stainless steel with two height adjustable chrome plated trays. It should have an electronically adjustable temperature control, with inbuilt digital temperature indicator, and timer control.
- Temperature range Adjustable from +7 ° C to + 80 ° C
- Accuracy of ± 0.5 o C
- Temperature control PID Microprocessor controlled system
- Display Digital for temperature and timer.
- Door seal replaceable silicon rubber
- Air movement Natural air convection
- Timer Auto start/stop at least 100 hours
- Uniformity of temperature Constant temperature in the chamber ± 2 o C
- Interior material Stainless steel
- Safety Device Overheat protection device by independent thermostat
- Power Requirements 240V, A/c 50 Hz, Single phase
- Ambient temperature 10 ° C to 40 ° C
- Relative humidity 40% to 90%
- Provide :- Heating Element 3 sets, Door Gasket 2 Sets
- EN 46001, IEC 60601-1, ISO 9001 Standards or any other internationally recognized standards
- Complete installation and setup of the machine at various sites as per manufacturer's instructions
- User Training On site user training on operation and daily up keep
- Maintenance training Onsite maintenance training on preventive maintenance
- Provide User manuals 2 Sets and Service Manual 1 Set
- Testing and commissioning of the machine to the satisfaction of the user.
- Equipment Minimum Warranty of one year after commissioning on all parts.

14. PATIENT MONITOR

1. General
    - At least 12'' color TFT display
    - Suitable for adult, pediatric and neonatal patient
    - Multiple parameters: ECG, NIBP, Pulse Rate/SpO2, Temperature, Respiration, CO2(Optional)
    - Audible and visual alarms with adjustable alarm ranges
    - Networkable with central monitoring system
    - Should be able to be used in ICU, CCU, Operating Room, Emergency Department, Observation Wards, Clinics, and hospital-type settings.

- Pre-configurable patient settings

2. ECG
    - ECG Input: 5- or 3-lead ECG cable
    - ECG Lead: I, II, III, aVR, aVL, aVF, V
    - Gain Choice: X1/4, X1/2, X1, X2, X4 and Auto
    - Scanning Speed (mm/sec): 6.25, 12.5, 25, 50
    - Heart Rate Range: 15-380BPM
    - ECG Calibration: 1mV
    - Frequency Response: 0.05-100Hz
    - Heart Rate Accuracy: ±1BPM or ±1%, whichever is greater
3. NIBP
    - Measurement Method: Automatic Oscillo-metric
    - Patient Types: Adults/Pediatrics/Neonate
    - Measurement Parameters: Systolic, Mean, Diastolic
    - Measurement Range: 10-300mmHg
    - Units of Measurement: mmHg/Kpa
    - Accuracy: ±2mmHg
4. Pulse Rate/SpO2
    - Display: Waveforms and Digits
    - Measurement Range: 0-100%
    - Resolution: 1%• Pulse Rate Range: 30-250BPM
    - Accuracy: ±2%
    - Resolution: at least 800 x 600 pixels
5. Temperature
    - Measurement range: 25.0-45.0°C
    - Display: T1, T2, ΔT
    - Accuracy: ±0.1°C
6. Respiration
    - Thoracic Impedance or Nasal Tube (Selectable)
    - Measurement Range: 0-120BPM

- Accuracy: ±1BPM
- Resolution: 1BPM

7. CO2(Optional)
   - Measurement Type: Main Stream or Side Stream
   - Measurement Range: 0%-10.0%
   - Accuracy: ±2mmHg
8. Power Requirements
   - 220-250VAC, 50/60 Hz

15. BIOCHEMISTRY ANALYZER

SYSTEM DESCRIPTION :-

- Fully random and continuous access, discrete processing clinical chemistry system with batch run capability of

  Up to 2400 tests/hour: 1800 tests/hour photometric, 600 tests/hour
- Assays Onboard Should be of 59 assays, including 3 ISE (Na, K, Cl)

SAMPLE HANDLING:-

- User-defined containers of 5 mL, 7 mL, and 10 mL tubes; 1 mL and 2 mL sample cups.
- Sample Tray of 84 sample positions; positive sample identification
- Validated Sample Types of Serum, plasma, urine, whole blood, and CSF should be assay-dependent
- The equipment should be able to have a qualitative check for hemolysis, lipemia, and icterus; clot detection, flagging, and management; short-sample detection, flagging, and management
- The equipment should be able to perform automatic repeat testing from the retained prediluted sample or original sample and the automatic dilution of upto 1:5625
- Should have automatic ability to perform additional tests based on results of first test or test combination
- Should be able to verification of Liquid-level sensing, crash protection, clot/clog detection, liquid-surface.
- Automated wash; additional automated sample probe washes programmable for greater prevention
- Should Perform up to 200 tubes per hour with ISE use; faster without ISE use

BAR CODE:-

- Sample Bar Codes of Up to 20 digits; Interleaved 2 of 5, Code 39, Code 128, Codabar; A, B, and special characters

MICRO-VOLUME TECHNOLOGY:-

- Should be able to do automatic Sample Predilution at 1:5 (30 µL sample + 120 µL saline generates up to 15 tests results); The diluted sample retained for auto-repeat, auto-reflex, or auto-dilution until results are available
- Should have 120 dilution cuvettes
- 2–30 µL of prediluted sample, equating to 0.4–6.0 µL of original sample per test
- The average reagent volume of 80–120 µL per test is required.

REACTION AREA:-

- 340 reusable optical-grade plastic cuvettes
- Inert fluorocarbon oil circulation system, 37°C
- 14 fixed wavelengths (340, 410, 451, 478, 505, 545, 571, 596, 658, 694, 751, 805, 845, and 884 nm)
- 12V, 50W halogen lamp, cooled by forced water circulation
- Endpoint (EPA), rate reaction (RRA), 2-point rate (2PA), constant rate analysis (CRA), and immunoassay analysis (IMA) methodologies; prozone checking; substrate depletion check; results available as completed
- 3, 4, 5, and 10 minutes; extended reaction times 15 and 21 minutes
- Sample blank, cuvette blank, measurement point change, sample volume change in re-assay
- Can automatically extend linearity to measure samples over assay range
- Potentiometric, photometric, turbidimetric

REAGENT HANDLING:-

- 2 trays, (R1=60 and R2 =56 positions), refrigerated between 6°C and 13°C (43°F–55°F)
- 56 photometric assays
- 40,000 photometric tests average; over 100,000 photometric tests with the use of concentrated reagents
- 20, 40, 70 mL reagent wedges
- Bar-code reagent identification; automatic inventory tracking and flagging; calibration and control validity tracking and flagging; reagent onboard stability tracking and flagging; reagent expired/reagent low flagging
- Up to 60 days, depending on assay
- Capability to dilute concentrated reagents onboard

OPEN SYSTEM CAPABILITY:-

- 200 assay channels; includes 50 channels for user-defined applications

ION-SELECTIVE ELECTRODES(ISE):-

- Indirect simultaneous measurement of Na+, K+, Cl-
- 22 µL original sample for all three tests
- 30,000 samples or 3 months, whichever occurs first for the expected electrode life use
- Up to 600 tests/hour; 200 tubes/hour

CALIBRATION/QC:-

- Up to 60 days, tracked by software for the validated calibration intervals
- For auto-calibration User-defined time interval or with new reagent container
- User-defined test count interval or with auto-calibration
- Graphical display of calibration curves
- 61 refrigerated positions for calibrators, controls, and diluents

USER INTERFACE/DATA MANAGEMENT :-

- Monitor of 22-inch (55.9 cm) diagonal high-resolution LCD touchscreen with adjustable height
- Operating System of Microsoft® Windows® 7
- Data Storage of 500,000 active plus 500,000 historical test results; can archive to removable media
- Should have Onboard Maintenance Logs

POWER RATING:-

- 200–240V at 50/60 Hz, 3 kVA consumption

WATER REQUIREMENTS:-

- connected directly to a pressurized water source
- Water consumption of 40 liters (10.6 gallons) per hour

COMPLIANCE:-

- Comply with international environmental, health, and safety standards, including CE and RoHS

NOISE EMISSION:- Less than 62 dB

NOTE:- A PROVISION FOR TRAINING OF ATLEAST TWO MEDICAL ENGINEERING STAFF AND TWO USERS

16. WASHING MACHINE:-

a.	Capacity :-	45Litres
b.	Cylinder Diameter :-	899.16mm
c.	Cylinder Depth :-	619.76mm
d.	Cylinder Volume:-	400 litrs
e.	Net Weight:-	1553 kg
f.	Machine Dimensions:-	WxDxH (1389.38 x 1455.42 x 1798.32)mm
g.	Door Opening:-	558.8mm
h.	Floor to Door:-	657.86mm
i.	Washing Speed :-	19/26/33/40 rpm
j.	Spin Speeds:-	40/79/325/490/680/870rpm
k.	Dynamic Force Transmitted:-	278kg
l.	Frequency of Dynamic Force:-	14.5 Hz

- Power ratings:- 380-415V, 60Hz, 3 phase, 4.8kw
- Drain Diameter:- 76.2mm
- Water Inlets:- 50.8mm
- Recommended Water Pressure:- PSI 30-60
- Water Flow :- 98.41 ltr/min
- Steam Connection:- 19.05mm

17. TUMBLER DRIER (ELECTRIC):-

- Capacity:- up to 37.5 kg
- Cylinder Diameter:- 939.8mm
- Cylinder Depth:- 914.4mm
- Cylinder Volume:- 634.4litres

- Machine Width:- 977.9mm
- Machine Depth:- 1346.2mm
- Machine Height:- 1963.42mm
- Door Opening:- 685.8mm
- Floor to Door:- 741.68mm
- Exhaust Diameter:- 203.2mm
- Exhaust Back Pressure :- 0.5
- Electric Heating :- 36kW
- Power rating:- 380-415V, 60Hz, 3 phase