



## Notice Inviting e-Tender

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**Supply and Commissioning of Medical Equipment for Prosthetics and Orthotics**  
**Workshop at IPGME&R and SSKM Hospital**  
**(Discipline- Prosthetics and Orthotics Workshop)**  
(Submission of Bid through *online*)

**Bid Reference No.: WBMSCL/NIT-633/2023**

**Dated-30.10.2023**

### **Amendment-I**

## **REVISED TECHNICAL SPECIFICATION**

### **PROSTHETIC & ORTHOTIC WORKSHOP, PMR DEPARTMENT**

#### **SL No 01: ORTHOTIC BENDER**

- Bending 4 to 14 mm bar
- Weight- 5.2 kg

#### **SL No 02: PROSTHETIC BUBBLE DRAPING SET**

- Duly power coated heavy duty ms table
- 19 mm plywood with pasted Formica
- Mini convenient hinged doors for motor
- Direct drive rotary high vacuum pump
- Double stage model pto- d2-250,
- Power fitted with 3/4 hp, 1440 rpm, single phase electric motor
- Liquid cum moisture trapping unit comprising of ...
- Glass bottles of 1000 ml capacity each
- Vacuum gauge and operating regulators
- Hydraulic Pneumatic connection flexible cables
- Fitted with table tops (AK + BK)
- One set of sandwich frames (AK, BK) are absolutely free

#### **SL No. 03: ORTHOTIC DRAPING SET WITH VACCUM PUMP**

- It should have vacuum pump
- Vacuum pump with trolley for heavy duty orthotics application
- Mild steel frame 1200 mm in height with platform for floor mounting
- Suction mandrill made of mild steel heavy duty solid rod with 50 mm, outer and 28 mm, inner dia, attached with brass ball valve, mounted on frame.
- 5 planes adjustable alignment zig with fixtures made of aluminum alloy.
- Frame weight up to 25 kg.

#### **SL No.04: SHEET SHEARING MACHINE**

- It should have metal body & metal handle
- 450 mm blade length
- 6mm sheet cutting capacity

#### **SL No. 05: SCREW DRIVER**

- It should have metal body and plastic handle
- It is used for insertion and removal of screw
- 9pc set of screw driver cover all sizes

#### **SL No. 06: JEWELLERY FILE**

- Steel file with plastic handle
- Flat, half round and round shape
- Length 140 mm and 160 mm

#### **SL No. 07: FLAT CHISEL**

- Metal body with plastic handle
- 1 inch width

#### **SL No. 08: HACKSAW**

- Hand tool designed specifically for cutting metals
- It has metal frame and wooden handle
- Size 18 x 8 mm

#### **SL NO. 09: MULTI-CUTTER**

- Razor sharp solid steel power blade
- Moulded ergonomic anti -fatigue handle
- Safety lock for storage
- 28 cm long

#### **SL. NO.10: DRAW KNIFE**

- Carbon steel blade with wooden handle
- Workable blade length 11inch
- Full blade length 14 inch
- 1 inch width

#### SL No.11: MALLET HAMMER.

- Head is made of metal
- Wooden handle
- Weight: 200gm

#### SL No.12: PLIER

- Made of Alloy Steel
- For better gripping handle should be plastic coated.
- Length-21cm
- It is use for holding or pulling out things
- Bending and cutting wire

#### SL No.13: CENTER PUNCH

- Metal rod with conical shape
- Used for marking the centre of a point
- Allow a drill to make a hole at the same spot without slipping

#### SL No.14: WOODEN FILE

- Body is made of high quality alloy steel with plastic /wooden handle
- Half round shape
- Its coarse individually cut tooth pattern for quickly remove material
- 12 inch long 1 inch width

#### SL No. 15: FLAT FILE

- Body is made of high quality alloy steel with plastic /wooden handle
- 12 inch long 1 inch width

#### SL No.16: DRILL BIT

- Made of high speed steel
- It is cutting tools use to create cylindrical hole
- Drill bit size 1/8 inch, 1/4 inch, 3/8 inch, 5/16inch etc.

#### SL No. 17: SCISSOR

- Metal body with plastic handle
- 12 inch long

#### SL.No.18: AK & BK Thermoforming Frame

- Aluminum Frame
- Atleast 40 cm x40 cm length and width for AK
- Atleast 34 cm x 34 cm length and width for BK

- They have 1 inch of space around the platforms to accommodate any thickness of plastic.
- Frames do not warp with heat and never rust

#### **SL No. 19: Removable Mandril**

- Made of metal / polypropylene / Nylon Mandril
- Use to hold the mould during modification, lamination & moulding

#### **SL No. 20: Thermoforming Disc with Table**

- Made of stainless steel
- Disc Height 810 mm

#### **SL No.21: Outside Calliper**

- Made of carbon steel
- Measure thickness and outside diameters of object
- Jaw length 0-150mm
- Size 6-60inch

#### **SL No.22: Oscillator Cutter**

- It is use for cutting purpose
- It is a portable device which can be easily cut plastic, metal etc.
- It can removed plaster cast from patient body
- Two metal blade is use with plastic body
- Electrical Power: 20 V

#### **SL No.23: Air Compressor**

- It works by forcing air into container and pressurizing it, which can be stored in a tank for later use
- Total tank capacity : 70 litres
- Motor power: 2.5 HP

#### **SL No.24: Shoe last**

- Shoe maker uses it for making & repairing shoe
- Wooden made.
- SL No.25: Shoe maker pincer
- Metal Cobbler Pliers with plastic handle
- Used for pinch cut or pull the object

#### **SL No.26: Lasting Pincer**

- Made of stainless steel
- This is durable leather craft tool used for clamping

#### **SL No.27: Nose Pliers**

- Metal Pliers with plastic handle
- Used for cutting wire and holding small object
- Minimum Length: 6 inch

#### **SL No.28: Rampi**

- Metal body with wooden handle
- Used for cutting purpose

#### **SL No.29: Rivet Cutter**

- Metal Cutting tool with plastic handle
- Should cut 1/16" to X" diameter rivet

#### **SLNo.30: Revolving Punch**

- Made of brass with six whole counts
- Length-27.9cm
- Width-10.2cm
- Height-5.1cm

#### **SLNo.31: Wooden Saw**

- Wooden Handle and stainless steel blades
- Should have hard tooth edge

#### **SL No.32: Plaster Cutting scissor**

- It is use for cutting plaster
- Made of Stainless Steel
- Length-14cm
- Width-5.1 cm
- Height-0.3cm
- Scissor edges should be blunt to prevent pinching the patient

#### **SL No. 33: Deburring Tool Set**

- Plastic Handle with Steel tip
- It is used to remove excess material from the edges or surface of unfinished product.
- It should have 360 rotation is possible.

#### **SL No.34: Goniometer**

- Stainless Steel made
- Used for measuring angle.
- Should have marking from 0 to 180 degrees.

### SL No.35: Measuring Tape

- Plastic Made
- It is use for measurement purpose

### SL No.36: Butter Knife

- Stainless Steel made
- It should have blunt edges.
- It can be used for modification purpose.

### Sl No.37: Rivet

- Aluminum & Copper made.
- It is composed of a head on one end and a cylindrical stem on another end
- It is used for fastening two or more pieces together.