

04.07.2018

TAMILNADU MEDICAL SERVICES CORPORATION LTD.,

**TENDER FOR SUPPLY AND INSTALLATION OF SHORTWAVE DIATHERMY UNIT,
DIGITAL TRACTION UNIT, DIGITAL INTERFERENTIAL THERAPY UNIT AND
DIGITAL ULTRASOUND THERAPY UNIT TO VARIOUS 96 POLYCLINICS IN UPHCS
TENDER NO.128/PHY/NRHM/TNMSC/ENGG/2017, DT.22.05.2017**

Corrigendum

a) The following corrigendum are issued:-

Sl. No.	Tender document reference	Instead	Read as
1.	Page No.58 to 61 Section VI: Technical Specification And refer corrigendum issued on 21.02.2018.	Existing Text	Revised Text at Annexure - I

All other terms and conditions of the tender remain unaltered.

The above forms part of the bidding documents. The bidder shall attach the copy of this corrigendum duly signed by their authorized signatory, in their bid.

Sd/-

General Manager (E)

SECTION VI: TECHNICAL SPECIFICATION - REVISED

1. SPECIFICATION FOR DIGITAL SHORTWAVE DIATHERMY UNIT

- 500W – Continuous mode with Disc Electrode
- Specially Designed for Hospitals and clinics.
- Aesthetic Design
- Digital Treatment Timer
- Step intensity control.
- Cooling Fan
- Trolley Model

Technical Specification:

- Power Output: 500W
- Frequency: 27.12Mhz
- Wavelength: 11 mtrs.
- Operating Mode: Continuous
- Supply: 220-240 VAC, 50/60HZ.
- Fuse: 10A.
- HF Source: Vacuum tube
- Timer: Digital
- Weight: 10 Kgs Approx.

Accessories:

- Pair of PADS
- Pair of Cables
- Power Cord
- Dust Cover
- Disc Electrodes with Arms and support.

2. SPECIFICATION FOR DIGITAL TRACTION UNIT (CERVICAL CUM LUMBER) WITH TABLE

Traction Table: Two split with pelvic traction sliding, traction fittings height adjustable option, MS with powder coated, cushion top with resin cover, with 6x2x2.5 feet dimension (LxBxH) approximately.

- Advanced Solid State Technology
- Modes: Intermittent and continuous traction mode.
- Specially designed Gear box to give long life to the unit.
- Noiseless, Reliable and durable heavy duty motor to pull appropriate weight.
- Digital Timer.
- Patient Safety switch.
- Audible buzzer sound to indicate treatment over.
- Weight: 5 to 45 kgs (till 90 kgs if doubler is used)
- Rest time: 1,5,10 sec.
- Hold time: 20,40,60 sec
- Input: 220-240 Vac, 50/60 Hz.
- Weight: Approx: 7 Kgs.
- Should be supplied with doubler.

3. SPECIFICATION FOR DIGITAL INTERFERENTIAL THERAPY UNIT – LCD

1. Interferential therapy employs medium frequency currents used in 2 or 4 pole configurations to produce a low frequency stimulation effect. In order to produce the required stimulation, two medium frequencies are used. A constant frequency of say 4000 Hz is applied to one pair of electrodes and a slightly different frequency of say 3950 Hz is applied to the other pair. These two frequencies 'interfere' to produce amplitude modulated medium frequency (beat frequency) in the tissue.
2. Micro controller based
3. 4 line LCD display.
4. Feather touch keys.

5. Selection of five stimulus current modes: 4 Pole, 2 Pole, 4 Pole V90, 4 Pole V45, Russian current.
6. ABS Plastic shockproof cabinet.
7. Aesthetic look, compact design, light weight, easy to use.
8. 30 user – settable programs
9. Display of all parameters on the screen during treatment.
10. Treatment timer.

For IFT:

1. Base: 0-150 Hz.
2. Sweep: 0-100 Hz.
3. Frequency of Russian current unit with 4000 Hz -4100 Hz frequency with manual setting.
4. Treatment Modes: 2 Pole, 4 Pole, 4 Pole vector (90 Deg. & 45 Deg.)
5. Spectrum: Triangular, Square, Trapezoidal.
6. Output: 0-100 ma.
7. Intensity Balance: To equalize 2 channels.
8. Display: four Line LCD display.
9. Digital Timer: 0-99 Mins presettable.
10. Power Supply: 220 Volts +/- 10%
11. Output type: 100% Isolated.
12. Cabinet: ABS shock proof.

4. SPECIFICATION FOR DIGITAL ULTRASOUND THERAPY UNIT.

- This unit should have 3 MHz and 1 MHz frequency with dual heads.
- Micro controller base, Feather touch, digital System.
- Built in 2 line LCD module with backlight.
- Computerized panel design with soft touch switches for comfort in operations.
- Built in clinical programs.
- Continuous and Pulse mode (1:1, 1:4, 1:7, 1:10)
- 42 pre-setted programs

- User friendly, simple and easy to operate.
- Supplied with carrying case.
- Ultrasound is used to breakup scar tissue, reduce inflammations, ease muscle spam, increase tissue extensibility, speed metabolism etc.

Technical specifications

- Display: 16x2 LCD display.
- Output: 2.5M/cm²
- Pulse Frequency: 8, 48, 100,Hz.
- Buzzer: Audio buzzer and treatment time is over frequency: 1 Mhz.
- Modes: Continuous and Pulse.
- Duty cycle: 10,20,50%
- Timer: 0-99 min.
- Power Supply: 220-240Vac, 50/60 Hz.