



NO. 574/A5/2025/IID

24-11-2025

Quotation Notice

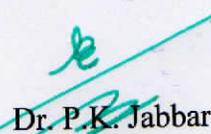
Sealed Quotations are invited for the machines of physiotherapy unit as per the specification mentioned below. Interested parties may submit their sealed quotations on or before 3.30pm on 01.12.2025 mentioning the amount including GST (GST shall be mentioned separately) at the address Director and CEO, Indian Institute of Diabetes, Pulayanarkotta, Thiruvananthapuram. The quotations will be opened on 01.12.2025 at 4.00 pm in the Room of Administrative Officer.

1. Combination Therapy Device of stim & Ultrasound
1-15-1204- Intellect mobile – 2, combo - 1 No
2. IFT (stim, Tens, Russian), M& Pre Program with LCD Display
Traction (Auto Traction Powered) with Traction Table Motorized - 1 No

Combination Therapy of electrical stim & Ultrasound with following features ;

- Must have 2 independent electrotherapy channels and one ultrasound channel
- Must provide multiple clinical waveforms including interferential (2&4 poles and isoplanar vector), TENS (asymmetric biphasic & symmetric biphasic), HAN, Russian, VMS, Surged (rectangular & triangular), HVPC, Micro current , Galvanic (continuous , interrupted & low level). Trabert & Diadynamic Cpid/Cpiso
- Must have independent parameter adjustments for each channel including intensity, frequency, duty cycle, vector scan, channel mode, phase duration, ramp, cycle time & treatment time based on waveform.
- Must have maximum output intensity up to 140mA
- Must have constant current & constant voltage modes
- Must have 2 colour coded lead wires for easy picking of selected channels
- Must have suggested electrode placement guidelines
- Ultrasound must offer 1&3 Mhz frequencies
- Must have the ultrasound BNR of 5:1 or lesser

- Must be supplied with 1cm² & 5cm² applicator head
- Must have pulsed & continuous frequency modes (10%, 20%, 50%, 100%) must have variable duty cycles of 16Hz, 48Hz & 100 Hz
- Must have facility to indicate applicator uncoupling
- Must be able to use electrotherapy & ultrasound independently and also in synchronized combination of electrotherapy & ultrasound , where ultrasound head functioning as both ultrasound head & electrode
- Must have minimum 7 high resolution colour LCD touch screen display
- Must have facility to save multiple treatment data under specific folders
- Must have facility to save customized protocols/treatment protocols
- Must have a facility to save shortcuts for custom protocols on the home screen
- Must have clinical library with colour graphic anatomical & pathological details
- Must have Bluetooth enabled technology for import and export of data transfer
- Must have able to treat one or two or three patients a a time
- Must have a facility to print screen function vide USB
- Must have a built – in handle for safe handling and carrying
- Must be able to upgrade the software for future proof technology
- Must be supplied with 4 each of 6X8 carbon electrodes, adhesive electrodes & sponges, 2 straps and 250ml ultrasound gel
- Must supplied with in-build rechargeable battery with the unit
- Must be able to connect to a custom – made trolley (magnetic with no screws to attach), if required in future
- Must be able to connect to vacuum and rechargeable battery , if required in future
- Must be compliant with IEC 60601-1-11 for safety
- Power ; 100-240V, 50-60 Hz
- Weight should not exceed 3.0 kilograms (without accessories and consumables)
- Must have US FDA or CE certification.


 Dr. P.K. Jabbar
 Director & Chief Executive Officer