

RT55-2021

ANNEXURE E4

PHYSIOTHERAPY

TECHNICAL SPECIFICATIONS

RT55-B-2 : Dual Channel TENS (Trans Electrical Neuromuscular Stimulation) and NMS (Neuromuscular Stimulation) Unit

Description

A device used for pain relieve and muscle rehabilitation

TECHNICAL SPECIFICATION

The unit shall comply with at least the following specifications:

Waveform: Asymmetrical, rectangular, biphasic with zero DC current

Max Voltage: 180Volts +10/-30V

Pulse Amplitude: Adjustable from 0-90mA

Pulse Width: Adjustable from 50 - 450 μ S(microseconds)

Pulse Rate: Adjustable from 2 - 200Hz

Lock mode function

The unit shall have the following features:

At least 2 totally independent channels

Possible to run to different programs at the same time

A minimum of 10 present TENS programs

A minimum of 2 present EMS programs

A minimum of 2 customisable programs

A large digital display

Clear backlit LCD display

Rechargeable Battery operated for ease of portability

Must be supplied with a battery charger

Accessories:

Re-usable electrodes in different sizes

Disposable electrodes in different sizes

Dual conductor lead wire for TENS/NMS

Optional accessories

Rechargeable battery

Battery charger

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-54 : Electronic Height Adjustable Plinth 5 Section

Description

An electrical operated 5 section unit used to position patients during physical rehabilitation procedure

Technical Specification

The unit shall have an electric hi-low height adjustment with high position $\geq 90\text{cm}$ and low position $\leq 45\text{cm}$

The unit shall have a remote control and foot control unit

The unit shall have a load capacity of 200kg+

Overall length shall be a minimum of 180cm

Overall width shall be a minimum of 60cm (Optional tapering of head and foot piece to a minimum of 50cm)

The frame shall be high grade and durable

The frame shall have a ground clearance of $\pm 15\text{cm}$ to allow for use of patient transfers units such as hoists

All adjustment handles shall be durable and made of stainless steel or equivalent quality material

The unit shall have heavy duty castors with brakes for easy movement of the unit

The castors shall be fully retractable

The feet that the unit stands on when the castors are retracted, shall allow for individual adjustment to allow levelling on uneven floors

The feet shall be heavy duty

The unit shall be upholstered

Upholstery foam density shall be at least 38 Kg/m³ and 4-6cm thick.

The upholstery material shall be durable, hygienic, non slip and washable (e.g. imitation leather)

The upholstery shall be free of phthalates and shall be flame retardant

The unit shall comprise of five sections that are adjustable at four points (head and lumbar and two arm rests)

The unit shall accommodate lying and sitting position,

The head section shall have a comfortable breathing slot with a plug

The head section shall have backrest and angle shall allow tilt from at least -30° to +90°

Accessories

replacement castors

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit shall be FDS or CE approved (Attach certification)

The unit shall be supplied with operators and service & maintenance manuals

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-55 : Electronic Height Adjustable Plinth 3 Section

Description

An electrical operated 3 section unit used to position patients during physical rehabilitation procedure

Technical Specification

The unit shall have an electric hi-low height adjustment with high position $\geq 90\text{cm}$ and low position $\leq 45\text{cm}$

The unit shall have a remote control and foot control unit

The unit shall have a load capacity of 200kg+

Overall length shall be a minimum of 180cm

Overall width shall be a minimum of 60cm (Optional tapering of head and foot piece to a minimum of 50cm)

The frame shall be high grade and durable

The frame shall have a ground clearance of $\pm 15\text{cm}$ to allow for use of patient transfers units such as hoists

All adjustment handles shall be durable and made of stainless steel or equivalent quality material

The unit shall have heavy duty castors for easy movement of the unit

The castors shall be fully retractable

The feet that the unit stands on when the castors are retracted, shall allow for individual adjustment to allow levelling on uneven floors

The feet shall be heavy duty

The unit shall be upholstered

Upholstery foam density shall be at least 38 Kg/m³ and 4-6cm thick.

The upholstery material shall be durable, hygienic and washable (e.g. imitation leather)

The upholstery shall be free of phthalates and shall be flame retardant

The unit shall comprise of three sections that are adjustable at two points (head and lumbar)

The unit shall accommodate lying and sitting position,

The head section shall have a comfortable breathing slot with a plug

The head backrest section angle shall allow tilt from at least -30° to +90°

Accessories

replacement castors

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-56 : Electronic Height Adjustable Plinth 2 Section

Description

An electrical operated 2 section unit used to position patients during physical rehabilitation procedure

Technical Specification

The unit shall have an electric hi-low height adjustment with high position $\geq 90\text{cm}$ and low position $\leq 45\text{cm}$

The unit shall have a remote control and foot control unit

The unit shall have a load capacity of 200kg+

Overall length shall be at least 180cm

Overall width shall be at least 60cm (Optional tapering of head and foot piece to a minimum of 50cm)

The frame shall be high grade and durable

The frame shall have a ground clearance of $\pm 15\text{cm}$ to allow for use of patient transfers units such as hoists

All adjustment handles shall be durable and made of stainless steel or equivalent quality material

The unit shall have heavy duty castors with brakes for easy movement of the unit

The castors shall be fully retractable

The feet that the unit stands on when the castors are retracted, shall allow for individual adjustment to allow levelling on uneven floors

The feet shall be heavy duty

The unit shall be upholstered

Upholstery foam density shall be at least 38 Kg/m³ and 4-6cm thick.

The upholstery material shall be durable, hygienic and washable (e.g. imitation leather)

The upholstery shall be free of phthalates and shall be flame retardant

The unit shall comprise of two sections that are adjustable

The unit shall accommodate lying and sitting position,

The head section shall have a comfortable breathing slot with a plug

Accessories

replacement castors

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-57 : Neurology Plinth-Electrical

Description

A wide electrical operated 2 section unit used to position patients during active physical rehabilitation procedure

Technical Specification

The unit shall have an electric hi-low height adjustment with high position up to 90cm and low position ≤45cm

The unit shall have a remote control height adjustment and foot control

The unit shall be able to lift and carry a load of 250kg+

Surface area should be equal or better than 120cm width and minimum of 180cm length

The frame shall be high grade and durable

The frame shall have a ground clearance of at least 14cm to allow for use of patient transfers units such as hoists

All adjustment handles shall be durable and made of stainless steel or equivalent quality material

The unit shall have heavy duty castors for easy movement of the unit

The castors shall be fully retractable

The feet that the unit stands on when the castors are retracted, shall allow for individual adjustment to allow levelling on uneven floors

The feet shall be heavy duty

The unit shall be upholstered

Upholstery foam density shall be at least 38 Kg/m³ and 4-6cm thick.

The upholstery material shall be durable, hygienic, non slip and washable (e.g. imitation leather)

The upholstery shall be free of phthalates and shall be flame retardant

The unit shall comprise of two sections that are adjustable to accommodate a lying and a sitting position

Accessories

replacement castors

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-58 : Neurology Plinth-Hydraulic

Description

A wide hydraulic operated unit used to position patients during active physical rehabilitation procedure

Technical Specification

The unit shall have a hydraulic lifting system that is manually operated

Height adjustment with high position up to 90cm and low position to ≤ 45 cm

The unit shall be able to lift and carry a load of 250kg+

Surface area should be equal or better than 120cm width and minimum of 180cm length

The frame shall be high grade and durable

The frame shall have a ground clearance of at least 14cm to allow for use of patient transfers units such as hoists

All adjustment handles shall be durable and made of stainless steel or equivalent quality material

The unit shall have heavy duty castors for easy movement of the unit

The castors shall be fully retractable

The feet that the unit stands on when the castors are retracted, shall allow for individual adjustment to allow levelling on uneven floors

The feet shall be heavy duty

The unit shall be upholstered

Upholstery foam density shall be at least 38 Kg/m³ and 4-6cm thick.

The upholstery material shall be durable, hygienic and washable (e.g. imitation leather)

The upholstery shall be free of phthalates and shall be flame retardant

The unit shall comprise of two sections that are adjustable to accommodate a lying and a sitting position

Accessories

replacement castors

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-59 : Parallel Bars 3m, Wall Mounted, Foldable (stainless steel)

Description

A wall mounted, vertically foldable unit used for gait training (walking) of patients

Technical Specification

Parallel bars designed to be wall mounted and easily folded to the floor and back to the wall, vertically

Handrails measure at least 3m in length, and fold against the wall vertically when not in use

Folded dimension approximately 25cm deep when folded

Folding mechanism to be ergonomic and durable

Dimensions: ± 275cm(9ft) length x 63cm(25") width x 71cm - 104cm (28" - 41")height

Easily adjustable height of handrails from approximately 70cm – 105cm, in 3-4 cm increments, with telescopic steel tubing with durable locking pins

Fixed width of approximately 63cm

Handrails shall be durable, stainless steel

Handrails shall be 3.8cm in diameter

Heavy gauge steel base plates, uprights and fittings

Each upright telescope up to ± 33 cm and locks into place

The unit shall have a weight-bearing capacity of 250kg, with sturdy, durable base plates

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-60 : Parallel Bars 3m, Wall Mounted, Foldable (powder/chrome)

Description

A wall mounted, vertically foldable unit used for gait training (walking) of patients

Technical Specification

Parallel bars designed to be wall mounted and easily folded to the floor and back to the wall, vertically

Handrails measure at least 3m in length, and fold against the wall vertically when not in use

Folded dimension approximately 25cm deep when folded

Folding mechanism to be ergonomic and durable

Dimensions: ± 275 cm(9ft) length x 63cm(25") width x 71cm - 104cm (28" - 41")height

Easily adjustable height of handrails from approximately 70cm – 105cm, in 3-4 cm increments, with telescopic steel tubing with durable locking pins

Fixed width of approximately 63cm

Handrails shall be durable, powder-coated or chrome plated

Handrails shall be 3.8cm in diameter

Heavy gauge steel base plates, uprights and fittings

Each upright telescope up to ± 33 cm and locks into place

The unit shall have a weight-bearing capacity of 250kg, with sturdy, durable base plates

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-61 : Parallel Bars 4m, Floor Mounted (stainless steel)

Description

A fixed unit used for gait training (walking) of patients

Technical Specification

Parallel bars designed to be floor mounted

The unit shall have 4 floor mounted uprights with mounting plates

The unit shall have heavy gauge steel base plates, uprights and fittings

Adjustable height and width, with ergonomic, durable mechanisms and locking pins, with ergonomic control knobs

Dimensions: L x W x H: 3m x 38cm – 71cm x 70cm – 108cm, approximately

The unit shall have a weight bearing capacity of approximately 250kg

Width shall be adjustable from $\pm 15"$ (38cm) - $\pm 28"$ (71cm)

Width adjusts with ergonomic control knobs on each upright

Each upright telescope will extend in 3-4cm increments with durable locking pins

Handrails shall be approx. 3.8cm in diameter

Handrails shall be one-piece, stainless steel

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-62 : Parallel Bars 4m, Floor Mounted (powder/chrome)

Description

A fixed unit used for gait training (walking) of patients

Technical Specification

Parallel bars designed to be floor mounted

The unit shall have 4 floor mounted uprights with mounting plates

The unit shall have heavy gauge steel base plates, uprights and fittings

Adjustable height and width, with ergonomic, durable mechanisms and locking pins, with ergonomic control knobs

Dimensions: L x W x H: 3m x 38cm – 71cm x 70cm – 108cm, approximately

The unit shall have a weight bearing capacity of approximately 250kg

Width shall be adjustable from $\pm 15''$ (38cm) - $\pm 28''$ (71cm)

Width adjusts with ergonomic control knobs on each upright

Each upright telescope will extend in 3-4cm increments with durable locking pins

Handrails shall be approx. 3.8cm in diameter

Handrails shall be one-piece, made of powder-coated / chrome plated steel

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-63 : Stand-Up Manual Patient Lift

Description

A stand-up unit used for patient transfer

Technical Specification

Non-powered (non-electric)

Safe minimum loading capacity of 180kg

Weigh no more than 30kg

Length x height: $\pm 900\text{mm}$ x $\pm 1050\text{mm}$

Turning radius: $\pm 1150\text{mm}$

Minimum door requirement 630mm

Pedal operating force <300N

Pedal operated adjustment of leg width

Internal width legs open $\pm 730\text{mm}$

Low friction castors

Compliance with legislature and applicable product standards

Shall have the following features:

Manoeuvring handles

Cross bar/handle bar

Sling attachment lugs/clips for back support strap
Pivoting seat halves/seat pads
Knee pad
2 Front castors
2 Back castors with brakes
Footboard/base
Leg pivot foot levers/pedals
Expected frame life of at least 10 years
Expected operational life of slings/backrest of at least 2 years

Accessories:

sling/back rests in a variety of sizes/adjustable size
sling/back rests to be manufactured of a durable material
sling/back rests shall be compatible with the purchased stand-up manual patient lift
secure buckle for fastening around patient
secure clips for fastening to frame
sling attachment lugs/clips for back support strap
knee pad
castors

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-64 : Corner Steps/Stairs with Height Adjustable Handrails

Description

Rehabilitation unit used for gait training on stairs

Technical Specification

Stairs 90° manufactured with solid wood

The unit shall have a non-slip surface (preferably carpeted)

Width of steps will be a minimum of 60 cm and a maximum of 90cm

The unit shall be sturdy with an approximate weight of $\geq 50\text{kg}$

Platform dimensions should be at least 75cm x 90cm

The unit shall have powder coated metal height adjustable grab rails on either side

Metallic hand rails will be adjustable from 40cm - 90cm in height

There will be one set of 4 steps with a height of $\pm 15\text{cm}$ on the one side

There will be one set of 3 steps with a height of $\pm 20\text{cm}$ on the other side

Minimum loading capacity of 250 kg

RT55-A-65 : Active and Passive Motion (ASPM) Pedal Exerciser for Upper and lower body

Description

A rehabilitation unit used for exercising upper and lower limbs

Technical Specification

Portable unit that weighs between 13 - 15kg

Dimensions (LxWxH): 50x46x43cm

100 - 240V, 50/60Hz power connection

Electric motor drive: 240 Watt

Control & display unit with a colour screen

Remote control shall be small and handy

Must be a single unit with detachable components suitable for upper and lower limbs

The unit shall have the following features:

Spasm detection and release

Feedback on speed, duration, muscle tone, distance covered, right to left symmetry, resistance and performance

Active or passive motor assistance

Pre-programmed exercise programs and control programs

Rotary operating pane with screen

Safety foot shells or stabilising straps with a comfortable non-slip surface

Spring mounted calf straps/shells

Non-slip stand

Knee bending manual adjustment

Hydraulic or manual height adjustment

Leg guides to secure guidance of leg movement

Forearm shells or safety straps with wrist or hand cuffs/shells with a quick release function

Emergency stop function

Extra high safety edging on foot shells to prevent slipping

Height adjustable handlebars with non slip material cover

Control and display unit with a colour screen

Foot rests and V Handles

The unit shall have the option of adding a rechargeable battery in line with end user requirements

Accessories:

Foot shells and straps

Forearm shells and straps

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-66 : Physiotherapy Exercise Software

Description

Software used to design personalised self exercise programmes

Technical Specification

User-friendly software exercise programme, compatible with public sector available hardware

Should be supplied as a DVD, installable on computer

The software shall be compatible with Windows7 / Window8/ Windows10 compatible software (otherwise it must be clearly stated in offer and be communicated with end user)

The software shall be installable to computer, not internet based or dependable on internet access

Availability of a comprehensive range of multi-professional content of exercises and education encompassing different specialised areas regularly treated by health care workers, including but not limited to:

general exercises

back care

balance re-education

cardiovascular exercises

flexibility exercises

contracture prevention

incontinence and pelvic floor exercises

amputations

respiratory care

walking with walking aids

therapeutic balls exercises

resistance band exercises

stick exercises

rehabilitation post CVA

motor delay for paed

CP related therapy

burns care and exercises

geriatrics

posture and ergonomics

The software shall have a lifelong license

It shall be possible to install the software on multiple (at least 5) computers

Available in English and at least 1 other official language of South Africa

Updates regularly available

Logo and contact details of health care provider can be added

Sharing of single, lifelong license for use on multiple computers (at least 5)

Designed programmes must be printable and can be emailed to clients

Illustrations of exercises shall be clear and accurate

Instructions for exercises shall be clear and accurate with possibility of amending / personalising

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-69 : Balance Foam Pad

Description

A device used for standing balance training

Technical Specification

The unit shall be manufactured from a dense closed cell foam that is antibacterial and water impermeable.

Dimensions (LxWxD) shall be at least 50cm x 40cm x 5cm

The unit shall be light weight ≤ 800 grams

The unit shall have a non-slip surface

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-70 : A Set of 7 Physiotherapy Balls

Description

Anti-burst exercise ball used for rehabilitation

Technical Specification

A set of 7 Physiotherapy balls shall be supplied in the following diameters:

A: 45cm

B: 55cm

C: 65cm

D: 75cm

E: 85cm

F: 95cm

G: 120cm

Each size of ball shall be priced individually

Different sizes balls can be procured separately as single units

The unit shall have anti-burst technology

The unit shall be manufactured from durable brightly coloured PVC with a slip resistant ribbed surface

The unit shall be easily inflatable

The unit shall be easy to clean

A pump shall be supplied with each set of balls

A minimum of 2 plugs

Accessories:

Ball Pump

2 Plugs

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-71 : A Set of 5 Therapy Mats

Description

A mat used for rehabilitation

Technical Specification

The unit shall be available in the following approximate sizes:

A: 15mm x 60cm x 180cm

B: 15mm x 100cm x 180cm

C: 15mm x 100cm x 185cm

D: 15mm x 100cm x 200cm

E: 10mm x 180cm x 60cm

Each mat shall be individually priced

Different sizes mats can be procured separately as single units

The unit shall be manufactured from a dense closed cell foam that is antibacterial and water impermeable

The unit shall be hard-wearing with a long life span

The unit shall be comfortable to use - soft, supple, yielding and supportive

The unit shall have a slip-proof surface

Flat placement to reduce risk of tripping

The unit shall conform to CE- high quality materials, strict quality controls

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-73 : Atlas Walker (chrome plated steel frame)

Description

A mobility Rehabilitation device used to assist patients with gait

Technical Specification

The unit shall be a height adjustable atlas walking frame

The unit shall have a chrome plated steel frame

The unit shall be easy to clean

The unit shall have a padded rest pad that is shaped to fit the human body

Padded rest pad for the upper limbs to rest on, ergonomically shaped, to disperse weight between upper body and legs

Padded rest pad to be covered in durable vinyl, which is easily disinfected and flame retardant

The unit shall have 4 heavy duty swivel castors, 2 in front and 2 in the rear for easy manoeuvrability

Rear castors will have brakes

Quality requirements: Product shall be free of burrs, sharp edges, oil, grease and/or any foreign matter prior to packaging

The unit shall have 2 adjustable handgrips

Specifications:

Maximum user weight: 160kg

Height adjustment from approximately 98cm – 145cm

Overall width approximately 63cm

Overall depth approximately 75cm

Dimension: height adjustable 93-142cm; overall width 63cm. Overall depth: 76cm

Weight of unit 8-10kg

Bidder shall supply document/certificate from supplier along with samples for testing, to certify type of aluminium alloy and strength used.

Accessories

Castors

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-A-75 : Saddle Stool, Mobile

Description

A seating device used for optimal positioning of the therapist

Technical Specification

The unit shall be a mobile saddle stool

The unit shall be height adjustable (approximately 53cm - 73cm)

The unit shall have 5 castors

The seat shall be saddle shaped

The seat shall be covered with vinyl or leather

Accessories

Replaceable castors

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-66 Hydrocollator 4 Packs, mobile unit

Description

A mobile unit used to warm moist heat packs

Technical Specification

This specification establishes the requirements and supply of a mobile PHYSIOTHERAPY – HYDROCOLLATOR UNIT.

The unit offered shall be specifically designed to provide consistent heat for HOTPACKS that will be used to treat patients with conditions requiring moist heat therapy treatment

The unit shall be suitable for a high usage clinic

The hydrocollator heating unit shall have the capacity to accommodate at least 4 heat packs

The unit shall have a durable stainless steel water tank that houses heat packs

The unit shall have a low water sensor that shuts off the unit when the water level gets too low

The unit shall have full insulation to prevent heat loss

The unit offered shall be fitted with a reliable temperature control device to regulate the temperature at a temperature range of between 70° C to 75° C.

The accuracy of the temperature regulation must be within $\pm 10\%$ or better

The heat up time to 70 ° C must not exceed four hours on the unit offered

The cool down time to 70 ° C must not exceed two hours on the unit offered

The unit offered must be fitted with a safety temperature cut out device that will shut off power to the heater when it exceeds a temperature in a range of between 82° C to 85° C

The unit offered must incorporate a reliable drain mechanism to drain the water

The unit shall be mobile and equipped with at least four swivel castors

At least two of the castors shall have locks

The unit shall be easy to clean

The unit shall not require any plumbing

The unit shall be easy to maintain. Maintenance specifications to be supplied by bidder

The bidder shall specify the dimensions of the unit

Each unit delivered shall include 3 standard sized (25cm x 30cm) hot packs and 1 cervical hot pack

Each unit delivered shall include heat resistant tongs

Accessories:

castors with locks

heat pack teri covers: standard & cervical (individually priced)

all sizes heat packs

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit offered must be supplied with internal removable stainless steel racks that will accommodate all sizes and shapes of hot packs

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-67 : Hydrocollator 8 Packs, mobile unit

Description

A mobile unit used to warm moist heat packs

Technical Specification

This specification establishes the requirements and supply of a mobile PHYSIOTHERAPY – HYDROCOLLATOR UNIT.

The unit offered shall be specifically designed to provide consistent heat for HOTPACKS that will be used to treat patients with conditions requiring moist heat therapy treatment

The unit shall be suitable for a high usage clinic

The hydrocollator heating unit shall have the capacity to accommodate at least 8 heat packs

The unit shall have a durable stainless steel water tank that houses heat packs

The unit shall have a low water sensor that shuts off the unit when the water level gets too low

The unit shall have full insulation to prevent heat loss

The unit offered shall be fitted with a reliable temperature control device to regulate the temperature at a temperature range of between 70° C to 75° C.

The accuracy of the temperature regulation must be within $\pm 10\%$ or better

The heat up time to 70 ° C must not exceed four hours on the unit offered

The cool down time to 70 ° C must not exceed two hours on the unit offered

The unit offered must be fitted with a safety temperature cut out device that will shut off power to the heater when it exceeds a temperature in a range of between 82° C to 85° C

The unit offered must incorporate a reliable drain mechanism to drain the water

The unit shall be mobile and equipped with at least four swivel castors

At least two of the castors shall have locks

The unit shall be easy to clean

The unit shall not require any plumbing

The unit shall be easy to maintain. Maintenance specifications to be supplied by bidder

The bidder shall specify the dimensions of the unit

Each unit delivered shall include 6 standard sized (25cm x 30cm) hot packs and 2 cervical hot pack

Each unit delivered shall include heat resistant tongs

Accessories:

castors with locks

heat pack teri covers: standard & cervical (individually priced)

all sizes heat packs

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit offered must be supplied with internal removable stainless steel racks that will accommodate all sizes and shapes of hot packs

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-68 : Hydrocollator 12 Packs, mobile unit

Description

A mobile unit used to warm moist heat packs

Technical Specification

This specification establishes the requirements and supply of a mobile PHYSIOTHERAPY – HYDROCOLLATOR UNIT.

The unit offered shall be specifically designed to provide consistent heat for HOTPACKS that will be used to treat patients with conditions requiring moist heat therapy treatment

The unit shall be suitable for a high usage clinic

The hydrocollator heating unit shall have the capacity to accommodate at least 12 heat packs

The unit shall have a durable stainless steel water tank that houses heat packs

The unit shall have a low water sensor that shuts off the unit when the water level gets too low

The unit shall have full insulation to prevent heat loss

The unit offered shall be fitted with a reliable temperature control device to regulate the temperature at a temperature range of between 70° C to 75° C.

The accuracy of the temperature regulation must be within $\pm 10\%$ or better

The heat up time to 70 ° C must not exceed four hours on the unit offered

The cool down time to 70 ° C must not exceed two hours on the unit offered

The unit offered must be fitted with a safety temperature cut out device that will shut off power to the heater when it exceeds a temperature in a range of between 82° C to 85° C

The unit offered must incorporate a reliable drain mechanism to drain the water

The unit shall be mobile and equipped with at least four swivel castors

At least two of the castors shall have locks

The unit shall be easy to clean

The unit shall not require any plumbing

The unit shall be easy to maintain. Maintenance specifications to be supplied by bidder

The bidder shall specify the dimensions of the unit

Each unit delivered shall include 8 standard sized (25cm x 30cm) hot packs, 2 cervical hot packs and 2 large hot packs

Each unit delivered shall include heat resistant tongs

Accessories:

castors with locks

heat pack teri covers: standard & cervical (individually priced)

all sizes heat packs

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit offered must be supplied with internal removable stainless steel racks that will accommodate all sizes and shapes of hot packs

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-69 : Hydrocollator 4 packs, fixed unit

Description

A unit used to warm moist heat packs

Technical Specification

This specification establishes the requirements and supply of a mobile PHYSIOTHERAPY – HYDROCOLLATOR UNIT. The unit offered shall be specifically designed to provide consistent heat for HOTPACKS that will be used to treat patients with conditions requiring moist heat therapy treatment

The unit shall be suitable for a high usage clinic

The hydrocollator heating unit shall have the capacity to accommodate at least 4 heat packs

The unit shall have a durable stainless steel water tank that houses heat packs

The unit shall have a low water sensor that shuts off the unit when the water level gets too low

The unit shall have full insulation to prevent heat loss

The unit offered shall be fitted with a reliable temperature control device to regulate the temperature at a temperature range of between 70° C to 75° C.

The accuracy of the temperature regulation must be within $\pm 10\%$ or better

The heat up time to 70 ° C must not exceed four hours on the unit offered

The cool down time to 70 ° C must not exceed two hours on the unit offered

The unit offered must be fitted with a safety temperature cut out device that will shut off power to the heater when it exceeds a temperature in a range of between 82° C to 85° C

The unit offered must incorporate a reliable drain mechanism to drain the water

The unit shall be easy to clean

The unit shall not require any plumbing

The unit shall be easy to maintain. Maintenance specifications to be supplied by bidder

The bidder shall specify the dimensions of the unit

Each unit delivered shall include 3 standard sized (25cm x 30cm) hot packs and 1 cervical hot pack

Each unit delivered shall include heat resistant tongs

Accessories:

castors with locks

heat pack teri covers: standard & cervical (individually priced)

all sizes heat packs

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit offered must be supplied with internal removable stainless steel racks that will accommodate all sizes and shapes of hot packs

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-70 : Hydrocollator 8 packs, fixed unit

Description

A unit used to warm moist heat packs

Technical Specification

This specification establishes the requirements and supply of a mobile PHYSIOTHERAPY – HYDROCOLLATOR UNIT. The unit offered shall be specifically designed to provide consistent heat for HOTPACKS that will be used to treat patients with conditions requiring moist heat therapy treatment

The unit shall be suitable for a high usage clinic

The hydrocollator heating unit shall have the capacity to accommodate at least 8 heat packs

The unit shall have a durable stainless steel water tank that houses heat packs

The unit shall have a low water sensor that shuts off the unit when the water level gets too low

The unit shall have full insulation to prevent heat loss

The unit offered shall be fitted with a reliable temperature control device to regulate the temperature at a temperature range of between 70° C to 75° C.

The accuracy of the temperature regulation must be within $\pm 10\%$ or better

The heat up time to 70 ° C must not exceed four hours on the unit offered

The cool down time to 70 ° C must not exceed two hours on the unit offered

The unit offered must be fitted with a safety temperature cut out device that will shut off power to the heater when it exceeds a temperature in a range of between 82° C to 85° C

The unit offered must incorporate a reliable drain mechanism to drain the water

The unit shall be easy to clean

The unit shall not require any plumbing

The unit shall be easy to maintain. Maintenance specifications to be supplied by bidder

The bidder shall specify the dimensions of the unit

Each unit delivered shall include 6 standard sized (25cm x 30cm) hot packs and 2 cervical hot pack

Each unit delivered shall include heat resistant tongs

Accessories:

castors with locks

heat pack teri covers: standard & cervical (individually priced)

all sizes heat packs

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit offered must be supplied with internal removable stainless steel racks that will accommodate all sizes and shapes of hot packs

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-71 : Hydrocollator 12 packs, fixed unit

Description

A unit used to warm moist heat packs

Technical Specification

This specification establishes the requirements and supply of a mobile PHYSIOTHERAPY – HYDROCOLLATOR UNIT. The unit offered shall be specifically designed to provide consistent heat for HOTPACKS that will be used to treat patients with conditions requiring moist heat therapy treatment

The unit shall be suitable for a high usage clinic

The hydrocollator heating unit shall have the capacity to accommodate at least 12 heat packs

The unit shall have a durable stainless steel water tank that houses heat packs

The unit shall have a low water sensor that shuts off the unit when the water level gets too low

The unit shall have full insulation to prevent heat loss

The unit offered shall be fitted with a reliable temperature control device to regulate the temperature at a temperature range of between 70° C to 75° C.

The accuracy of the temperature regulation must be within $\pm 10\%$ or better

The heat up time to 70 ° C must not exceed four hours on the unit offered

The cool down time to 70 ° C must not exceed two hours on the unit offered

The unit offered must be fitted with a safety temperature cut out device that will shut off power to the heater when it exceeds a temperature in a range of between 82° C to 85° C

The unit offered must incorporate a reliable drain mechanism to drain the water

The unit shall be easy to clean

The unit shall not require any plumbing

The unit shall be easy to maintain. Maintenance specifications to be supplied by bidder

The bidder shall specify the dimensions of the unit

Each unit delivered shall include 8 standard sized (25cm x 30cm) hot packs, 2 cervical hot packs and 2 large hot packs

Each unit delivered shall include heat resistant tongs

Accessories:

castors with locks

heat pack teri covers: standard & cervical (individually priced)

all sizes heat packs

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit offered must be supplied with internal removable stainless steel racks that will accommodate all sizes and shapes of hot packs

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-72 : Therapeutic Massager

Description

A unit that provides therapeutic deep tissue massage

Technical Specification

The unit shall be a large surface massager (that provides deep tissue vibration) supplied in a carry case

The unit shall be able to provide tridimensional movement (horizontal, vertical & oscillatory)

The unit shall have a 2 speed electric motor, approximately (115watt & 130 watt)

The unit shall be light weight ($\leq 3\text{kg}$)

The unit shall be easy to clean

Two clip on pads (one smooth rubber & one hyperaemic) shall be included in the offer

A carry case for the unit shall be included in the offer

Accessories:

smooth rubber pad

hyperaemic pads

sensory pads

The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS

The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

RT55-B-77 : Combination Electrotherapy and Ultrasound Unit

Description

A multimodal electrotherapy unit used for pain relief, muscle stimulation and to promote healing

Technical Specification

The unit shall offer ultrasound and electrotherapy combination therapy

The combination electrotherapy unit shall include 3 modalities: electrotherapy, ultrasound and magneto therapy

Electrotherapy modality shall provide for at least the following current types: Interferential, TENS, Russian stimulation, diadynamic and galvanic current

The unit shall have at least two independent electrotherapy channels

Intensity: 0-3/cm2 (ultrasound); 0-50mA (IF);0-100MA (LF)

Ultrasound output: 1&3 MHz frequencies to be available

Ultrasound head: 5cm2

Pulse Width: 30-400 microseconds

Pulse rate-carrier frequency: 2KHz-10KHz for IFC; 2.5KHz for Russian; 0Hz-250Hz for TENS and EMS

Pulse rate-beat frequency: 1Hz-200Hz for IFC; 20Hz-100Hz for Russian; 0Hz-250Hz for TENS and EMS

Working time: 60minutes

The unit shall be equipped with body part navigation feature

The unit shall be equipped with a patient database

The unit shall have the option of 2 or 4 pole interference

The unit shall have a built in vacuum unit

The unit shall be battery operated for ease of portability

All accessories necessary to perform all the functionalities of the unit shall be included in the offer

Accessories:

Laser clusters

Ultrasound head 5cm

Ultrasound head 1cm

Infrared laser probes

Vacuum electrodes
Hands free sono applicator
Rubber electrodes
Adhesive electrodes
Russian stimulator
5cm² ultrasound head
1cm² ultrasound head
Adapter 100-240V; 47-64Hz
Power cable
User manual
Self adhesive electrodes in various sizes (50x100mm; 50x50mm)
Carbon electrodes in various sizes (70x110mm; 70x100mm)
Envelope sponges to fit carbon electrodes
Skin leads wires
Straps 75x1200mm and 75x600mm
Combo lead wires
Optional extras
Vacuum unit compatible with the supplied unit
Optional Accessories:
2 tier trolley
The unit shall operate from 220V and the power cords shall have a 3-point plug approved by SABS
The unit shall be FDS or CE approved (Attach certification)

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

_____END_____