नेपाल सरकार

स्वास्थ्य तथा खाद्य स्वच्छता मन्त्रालय

आयुर्वेद तथा वैकल्पिक चिकित्सा विभाग

टेकु, काठमाडौं

पत्रसंख्या:-०८३/८४

चलानी नम्बर:-

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फिजियोथेरापी उपकरणहरूको दररेट पेश गर्ने सम्बन्धी सूचना।

यस विभागको चालु आ.व. को स्वीकृत वार्षिक कार्यक्रम अनुसार फिजियोथेरापी उपकरण खरिद सम्बन्धी खरिद कार्य अगाडी बढाउने सन्दर्भमा लागत अनुमान तयार गर्ने प्रयोजनको लागि संलग्न स्पेशिफिकेशन अनुसारको उपकरणहरू के कति दररेटमा उपलब्ध गराउन सकिन्छ मिति २०८३/०५/०८ गते भित्र सो को बजार मूल्य सूचीको Hard copy वा Scan Copy यस विभागको इमेल- doaa.gov.np@gmail.com मार्फत उपलब्ध गराइ दिनु हुन सम्बन्धित सरोकारवालाहरूको जानकारीको लागि यो सूचना प्रकासित गरिएको छ ।

(गजेन्द्र नाथ शर्मा)
उपसचिव

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LIST OF PHYSIO EQUIPMENTS

S.N.	EQUIPMENTS NAME	Price Per Unit/Set Nrs (As Per Specifications)	Remarks
1	Ultrasound Therapy Unit		
2	Transculations Electrical Nerve Simulations (TENS)		
3	Traction mechine witd Bed		
4	Eledtrical Muscle Simulator		
5	Inferential Therapy (IFT)		
6	SWD (Short wave diathermy)		
7	Stationary Bicycle		
8	Shoulder Wheel		
9	T-Pully		
10	Physio Ball		
11	Weight Cuff		
12	Thera Band		
13	Dumbell		

Ultrasound Therapy Unit

S.N.	Purchaser's Specifications
	Ultrasound Therapy Unit
	Manufacturer:
	Brand:
	Type / Model :
	Country of Origin :
1	**Description of Function**
1.1	Ultrasound Therapy is helpful for healing, pain reduction, edema reduction and muscle spasm reduction.
2	**Operational Requirements**
2.1	It shall operate from the mains supply.
3	**System Configuration**
3.1	Ultrasound Therapy Unit (Single Head) unit with complete accessories.
4	**Technical Specifications**
4.1	Should be a microprocessor / microcomputer controlled unit with Continuous & Pulsed modes.
4.2	Should have a digital display for easy program setting and parameter display.
4.3	Should have selectable dual ultrasound frequency of 1 and 3 Mhz.
4.4	The area of applicator should be at least $5cm^2$.
4.5	The output of the ultrasound head should be at approx. $3W/cm^2$.
4.7	Should have adjustable treatment time up to 60 minute or more.
4.8	Should have selectable duty cycle.
5	**Accessories**
5.1	i. Ultrasound applicator: 1 piece. ii. Gel: 1 piece.
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including Items not Specified above).
6	**Operating Environment**
6.1	The system offered shall be designed to operate normally under the conditions of the Purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Power supply: 100 – 240 VAC, 50 / 60 Hz fitted with appropriate plug.
7	**Standards and Safety Requirements**
7.1	Must submit ISO 13485 for medical devices AND
7.2	CE (93/42 EEC Directives) and USFDA approved product certificate
8	**User Training**
8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.
9	**Warranty**

9.1	Comprehensive warranty for 3 year from acceptance followed by 2 years of AMC.
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period suppliers must ensure corrective/breakdown maintenance whenever required.
11	**Installation and commissioning**
11.1	Supplier must accomplish proper installation & commissioning of the equipment onsite
12	**Documentation**
12.1	User (Operating) and Service manual in English

Transcutaneous Electrical Nerve Stimulation (TENS)

S.N.	Purchaser's Specifications
	Transcutaneous Electrical Nerve Stimulation (TENS)
	Manufacturer:
	Brand:
	Type / Model :
	Country of Origin :
1	**Description of Function**
1.1	T.E.N.S. (Transcutaneous Electrical Nerve Stimulation) units are widely used in hospitals to treat back/neck pain, aching joints, rheumatic pain, migraines /headaches, sports injuries, period pain etc.
2	**Operational Requirements**
2.1	The TENS unit must be easy to operate and equipped with a minimum of two independent channels and should operate from mains supply.
3	**System Configuration**
3.1	Transcutaneous Electric Nerve Stimulator (TENS) unit with complete standard accessories.
4	**Technical Specifications**
4.1	It should be a microprocessor / microcomputer controlled digital TENS system with at least two independent output channels.
4.2	It should be able to treat two patients at one time.
4.3	It should have digital display for modes, pulse rate, pulse width and time.
4.4	It should have at least six working modes.
4.5	It should have adjustable treatment time of 60 minutes or more.
4.6	It should have Frequency up to 250 Hz or more.
4.7	It should have pulse width up to 350 µS or more.
5	**Accessories**
5.1	i. Color coded electrode wire: 6 set ii. Electrode pads: 12 pieces. iii. Power cord: 1 piece. iv. Gel: 1 piece. v. Strapes: 6 pieces
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).
6	**Operating Environment**
6.1	The system offered shall be designed to operate normally under the conditions of the Purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Power supply: 100 – 240 VAC, 50 / 60 Hz fitted with appropriate plug.
7	**Standards and Safety Requirements**
7.1	Must submit ISO 13485 for medical devices AND
7.2	CE (93/42 EEC Directives) and USFDA approved product certificate.
8	**User Training**

8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.
9	**Warranty**
9.1	Comprehensive warranty for 3 year from acceptance followed by 2 years AMC
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period suppliers must ensure corrective/breakdown maintenance whenever required.
11	**Installation and commissioning**
11.1	Supplier must accomplish proper installation & commissioning of the equipment onsite
12	**Documentation**
12.1	User (Operating) and Service manual in English

Traction Mechine with bed

S.N.	Purchaser's Specifications
	Traction Machine with Bed
	Manufacturer:
	Brand:
	Type / Model :
	Country of Origin :
1	**Description of Function**
1.1	Traction Machine and bed are used for Cervical and lumbar traction which are useful in relieving back and neck pain by causing a gentle stretch to the muscles and joints.
2	**Operational Requirements**
2.1	Intermittent & static traction with variable speed control and operate from mains supply.
3	**System Configuration**
3.1	Cervical and Lumbar Traction unit with bed and complete accessories.
4	**Technical Specifications**
4.1	**Traction Unit**
4.1.1	Treatment Time : 1 min to 99 min
4.1.2	Out force of traction should be from 1 kg to 90 kg or more.
4.1.3	Modes of Treatment:- Static, Intermittent mode with multi speed selection
4.1.4	It should have traction force / base force hold time of 1 sec. - 1 hour (1 sec. intervals).
4.1.5	It should have both manual and pre-programmed treatment modes.
4.1.6	It should have emergency stop switch for patient.
4.1.7	It should have display to show all parameters of treatment.
4.1.8	It should be mounted with traction bed level platform.
4.1.9	It should have touch screen panel for manual selection of parameters.
4.1.10	It should have alarm to notify the end of treatment.
4.1.11	Weight of traction unit should be approx. 10 kg or less.
4.2	**Traction Bed**
4.2.1	It should be multi-position, height adjustable electric treatment table.
4.2.2	It should have padded neck harness, complete with spreader bar.
4.2.3	It should have clamp for fitting fixation straps.
4.2.4	It should be accessible for handicapped and elderly people.
4.2.5	It should be easy for optimal cleaning and disinfection.
4.2.6	It should consists of at least 2 section.
4.2.7	It should have ergonomic and modern design.
4.2.8	The lifting capacity of bed should be 150 kg or more.
4.2.9	The dimension of bed should be approx. 200 cm x 60 cm and thickness of upholestry approx.. 4 cm or more
5	**Accessories and consumables**
5.1	i. Padded neck harness, complete with spreader bar ii. Pelvic belt iii. Thoracic belt iv. Clamp for fitting fixation straps v. Stool for hip and knee flexion

	vi. Patient safety switch
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.
6	**Operating Environment**
6.1	The system offered shall be designed to operate normally under the conditions of the Purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Power supply: 100 – 240 VAC, 50 / 60 Hz fitted with appropriate plug.
7	**Standards and Safety Requirements**
7.1	Must submit ISO 13485 for medical devices AND
7.2	CE (93/42 EEC Directives) and USFDA approved product certificate
8	**User Training**
8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.
9	**Warranty**
9.1	Comprehensive warranty for 3 year from acceptance followed by 2 years of AMC.
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period suppliers must ensure corrective/breakdown maintenance whenever required.
11	**Installation and commissioning**
11.1	Supplier must accomplish proper installation & commissioning of the equipment onsite
12	**Documentation**
12.1	User (Operating) and Service manual in English

Electrical Muscle Stimulator

S.N.	Purchaser's Specifications
	Electrical Muscle Stimulator
	Manufacturer:
	Brand:
	Type / Model :
	Country of Origin :
1	**Description of Function**
1.1	Electrical muscle stimulation (EMS) is used to stimulates a muscle and nerve using electrical impulses in order strengthen weak muscles, reduce swelling, relieve pain and help to heal wounds.
2	**Operational Requirements**
2.1	It shall operate from the mains supply.
3	**System Configuration**
3.1	Muscle Stimulator complete with electrodes and other accessories.
4	**Technical Specifications**
	Microprocessor controlled digital EMS system with LCD display
4.1	It should have at least 2 channel to operate electrodes.
4.2	It should have different modes of Galvanic and faradic currents.
4.3	It should have pulse width from 0.01 ms to 300 ms
4.4	It should have different control knob for time, intensity, frequency, surge
4.5	It should have pen electrode.
4.6	It must have facility to plot SD curve by manipulation of all the parameters.
5	**Accessories**
5.1	i. Output wire 2 Pcs ii. Pad Electrode 2 Pcs iii. Pen electrode 1 Pcs iv. Gel bottle 1 Pcs
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools.
6	**Operating Environment**
6.1	The system offered shall be designed to operate normally under the conditions of the Purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Power supply: 100 – 240 VAC, 50 / 60 Hz fitted with appropriate plug. The power cable must be at least 3 meters in length.
7	**Standards and Safety Requirements**
7.1	Must submit ISO for medical devices and
7.2	CE (93/42 EEC Directives) or USFDA certificate
8	**User Training**

8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.
9	**Warranty**
9.1	Comprehensive warranty for 3 year from acceptance followed by 2 years of AMC.
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period suppliers must ensure corrective/breakdown maintenance whenever required.
11	**Installation and commissioning**
11.1	Supplier must accomplish proper installation & commissioning of the equipment onsite
12	**Documentation**
12.1	User (Operating) and Service manual in English.

Interferential Therapy (IFT)

S.N.	Purchaser's Specifications
	Interferential Therapy (IFT)
	Manufacturer:
	Brand:
	Type / Model :
	Country of Origin :
1	**Description of Function**
1.1	A current therapy used in the treatment of circulatory disorders, range of motion, edema and muscle spasms. Interferential current is a form of electrical therapy that delivers currents to deep tissues through the use of kilohertz-carrier-frequency pulsed or sinusoidal currents to overcome the impedance offered by the skin.
2	**Operational Requirements**
2.1	It shall operate from the mains supply.
3	**System Configuration**
3.1	Digital Interferential Therapy complete unit with complete standard accessories.
4	**Technical Specifications**
4.1	Microprocessor processor controlled clinical applicable IF system which shall operate on main power supply.
4.2	It should have digital display to read various parameters.
4.3	It should have at least 2 independent outputs channels.
4.4	It should have provision to control output channels separately for different intensity and electrotherapy mode.
4.5	It should have carrier frequency of 4000Hz for IFT.
4.6	It should have different modes of Interferential Therapy with knob for base, spectrum and sweep.
4.7	It should use both intermediate frequency and interferential current technique.
4.8	It should have adjustable treatment times ranging 60 minutes or more.
4.9	It should have 5 or more different sub-modes to stimulate the muscle and nerves.
5	**Accessories**
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including Items nit Specified above).
5.2	I. Colour coded eletrode wire: 4 set II. Electrode pads: 12 pcs. III. Power cord: 1 pcs. IV. Gel: 1 pcs. V. Strapes: 6 pcs VI. Sponge cover for electrode pads: 8 pcs
6	**Operating Environment**

6.1	The system offered shall be designed to operate normally under the conditions of the Purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Power supply: 100 – 240 VAC, 50 / 60 Hz fitted with appropriate plug.
7	**Standards and Safety Requirements**
7.1	Must submit ISO 13485 for medical devices AND
7.2	CE (93/42 EEC Directives) and USFDA approved product certificate
8	**User Training**
8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.
9	**Warranty**
9.1	Comprehensive warranty for 3 year from acceptance followed by 2 years of AMC.
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period suppliers must ensure corrective/breakdown maintenance whenever required.
11	**Installation and commissioning**
11.1	Supplier must accomplish proper installation & commissioning of the equipment onsite
12	**Documentation**
12.1	User (Operating) and Service manual in English

SWD (Short wave diathermy)

S.N.	Technical Specifications
1	Operating Frequency: 27.12 MHz
2	Wavelength: 11 meters
3	RF Power Output: Up to 500W
4	Pulse Rate (Pulsed Mode): Adjustable from roughly 20 Hz to 300 Hz
5	Pulse Width: Approx. 0.4 ms
6	Timer: Digital 0 to 99 minutes with automatic cutoff and audible alarm
7	Input Voltage: 220–240V AC, 50/60 Hz
8	Construction: Mounted on a heavy-duty mobile trolley with castors, flexible or articulated arms, and insulated
9	Pad/cable electrodes

Stationary Bicycle

S.N.	Technical Specifications
1	Style: Recumbent design with a supportive backrest or a low step-through upright frame for easy mounting by mobility-impaired patients.
2	Adjustability: Tool-free, quick-release horizontal and vertical seat slider adjustments to accommodate varying leg lengths.
3	Maximum User Weight: Minimum capacity of 130 kg (286 lbs) to 150 kg for structural safety.
4	Resistance Levels: Fine increments 1 to 24 levels
5	Bi-directional Pedaling: Forward and reverse motion capability to target different muscle groups and aid joint coordination
6	Display: Clear LCD or LED screen showing time, RPM, speed, distance, wattage, and calories.
7	Heart Rate Tracking: Integrated hand pulse sensors
8	Pedals: Balanced, weighted pedals with adjustable safety toe clips and heel straps to secure the foot.

Shoulder wheel

S.N.	Technical Specifications
1	Wheel Diameter: 80 cm to 100 cm (approx. 31–39 inches)
2	Frame Material: Tubular steel or mild steel
3	Coating: Oven-baked powder coating or epoxy-polyester finish for rust prevention
4	Unit Weight: 10 kg to 17 kg depending on frame build

T- pully

S.N.	Technical Specifications
1	Frame Material: Heavy-duty steel or iron pipe with anti-rust powder coating
2	Dimensions: Frame width/height averages roughly 40 cm to 60 cm for the main span, with a compact wall or door mounting base plate (approx. 20 cm x 30 cm).
3	Pulley Wheels: Low-friction dual plastic roller wheels (approx. 5 cm diameter) ensuring smooth, silent reciprocal motion.
4	Cord Length: Adjustable high-tensile nylon rope (standard length around 1.5 meters).
5	Handles: Ergonomic contoured plastic, wood, or foam-padded grips designed for secure single or dual-hand pulls.
6	Mounting Options: Wall-mountable via standard steel fasteners or convertible for over-the-door use.
7	Weight Capacity:
8	Designed to support assistive pulling loads up to 100 kg to 120 kg

Physio ball

S.N.	Technical Specifications
	Material: Molded, high-elasticity professional PVC
	Surface: Non-slip, matte, or ribbed texture for grip
	Size : 55 cm

Weight cuff

Standard Weights: 0.5 kg (1.1 lbs), 1 kg (2.2 lbs), and 2 kg (4.4 lbs)

Thera band

S.N.	Technical Specifications
1	Standard Width: ~12.5 cm (5 inches) across flat sheets.
2	Roll Lengths: Available in retail lengths (1.5m / 5.5m) or bulk clinic dispensers (30m to 46m).
3	Alternative Styles: Also manufactured as tubing, pre-formed loops, and continuous loop strips (CLX
4	Yellow: Thin / Light (~1.3 kg / 2.9 lbs force at 100% elongation)
5	Red: Medium (~1.7 kg / 3.7 lbs force)
6	Green: Heavy (~2.1 kg / 4.6 lbs force)
7	Blue: Extra Heavy (~2.6 kg / 5.7 lbs force)

Dum bell

Weight Range: Pair of 0.5kg, 1kg, 1.5 kg and 2 kg