

Requirement and Specifications

Category 1

SN.	REQUIREMENT	QUANTITY
1	REP EXERCISE BAND LEVEL 1 PEACH 5,5 M	5
2	REP EXERCISE BAND LEVEL 2 ORANGE 5,5 M	5
3	REP EXERCISE BAND LEVEL 3 GREEN 5,5 M	5
4	REP EXERCISE BAND LEVEL 4 BLUE 5,5 M	5
5	REP EXERCISE BAND LEVEL 5 PURPLE 5,5 M	5
6	REP PUTTY EXTRA SOFT, ORANGE 80 GRAM	2
7	REP PUTTY SOFT, ORANGE 80 GRAM	2
8	REP PUTTY MEDIUM, GREEN 80 GRAM	2
9	REP PUTTY FIRM, BLUE 80 GRAM	2
10	REP PUTTY EXTRA FIRM, VIOLET 80 GRAM	2
11	DUMB-BELL, 0.5KG, SET OF 2	1 Each
12	DUMB-BELL, 1 KG, SET OF 2	1 Each
13	DUMB-BELL, 2 KG, SET OF 2	1 Each
14	DUMB-BELL, 3 KG, SET OF 2	1 Each
15	DUMB-BELL, 5 KG, SET OF 2	1 Each
16	VIBRATING MASSAGE PAD WITH STANDARD ACCESSORIES	1
17	TRANCUTANEOUS ELECTRICAL NERVE STIMULATOR 4 CHANNEL	1
18	TRANCUTANEOUS ELECTRICAL NERVE STIMULATOR 2 CHANNEL	1



Technical specification for Physical Therapy Products and Rehabilitation Equipment.

Following are the minimum requirements. Products offered must meet these parameters herein.

GENERAL SPECIFICATION

(1-5) Product Name: EXERCISE BAND

- The product should be non-latex, powdered free and odorless.
- It must be multicolored, following colors are preferable “Peach, yellow, orange, green, blue, purple & Red”
- The band strength should be in different level.
- Size preference minimum of 5.5meter length and 1-5mm thick.
- Should supports broader range of exercises – extension and eccentric.



Figure:1

(6-10) Product Name: THERAPEUTIC PUTTY

- The product must be non-toxic, clean, anti-microbial and non-oily.
- Therapeutic putty should be in different resistance (**Extra soft, Soft, medium, firm, Extra firm**) according to color sequence.
- The product should be made from a silicone polymer and is gluten, latex, nuts, egg and soy free.
- Preferred to have convenient plastic container for easy storage.



Figure:1

- The equipment should come with standard accessories & optional accessories (Foam rubber applicator, burlled foam applicator, Hyperemia brush, synthetic Hyperemia brush-natural hair) (soft rubber jacket with CUPS, Natural bristle brush)
- It should provide easily exchangeable and inexpensive spare parts

Technical specification

- Voltage: 220-240V / 50-60Hz.
- Weight: approx. 1,6 kg
- Speed adjustment: minimum 2 level.
- Device Housing: color white
- Maintenance free high-performance engine.

Documentation

- User/Technical/Maintenance manuals to be supplied in English.
- Certificate of calibration and inspection.
- List of Equipment available for providing calibration and routine Preventive maintenance support as per manufacturer guideline.
- List of important spare parts and accessories with part number and costing.
- Log book with instruction for daily weekly monthly and quarterly maintenance checklist



Figure:1



Figure:2



(17) Product Name: PORTABLE TENS METER 4 CHANNEL

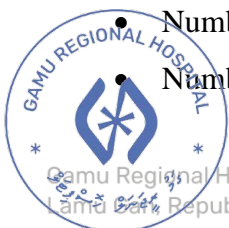
TENS 4 channel can be treated chronic pain, patients recovering from a traumatic condition, immobilization as well as maintain or improve muscle function in healthy individuals using TENS (Transcutaneous Electrical Nerve Stimulation) and NMES (Neuro Muscular Electrostimulation) currents. This makes the device ideal for sport and rehabilitation.

General specification

- It should have minimum of 150-200 pre-programs in different application.
- The following features are considerable, Syncro -stim (Increase/decrease the intensity of all 4 channels simultaneously using only one button) Body Parts navigation and QUICK protocols, Run-time function, Multi-user, Favorites Permits to store up to 15 customized TENS and NMES programs for each user, Working time, Backlit display.
- Standard accessories should include **Carrying bag**, 4 Cables for electrode connection, 4 Self-adhesive square electrodes (50x50mm) 4 Self-adhesive rectangular electrodes (50x90mm), Charger User manual.
- Manufacture should have ISO certificate for quality standards (valid documentation should be submitted in technical bid).
- Availability Spare parts and all other accessories must be for 10 years.
- On site Comprehensive warranty for 2 years.

Technical specification

- Numbers of channels: 4 independent channels
- Intensity: 0-120 mA per channel
- Wave form: symmetrical biphasic pulse, 100% compensated
- Constant current: up to a resistance of 1000 ohm
- Frequency: 0.3 – 150 Hz Pulse
- width (single phase): 50-450 μs
- Total pulse width 100-900 μs
- Number of pre-set programs: 250
- Numbers of personal programs: 15



- Stimulation forms: Continuous / conventional, Burst, Frequency Modulation, Pulse Width Modulation Phase Duration Modulation), Constant, Intermittent, Active Rest (electrostimulation during resting phase)
- Timer: max. 120 min (4 subsequent phases of each 30 min)
- Power supply: Battery / Mains
- Battery: Rechargeable battery (NI-MH / 1.8 Ah / 7.2V)
- Charger: Input: 100-240VAC~50-60Hz 0.2A Output: +8.8V \square 0.2A
- Weight: 404 g

Documentation

- User/Technical/Maintenance manuals to be supplied in English.
- Certificate of calibration and inspection.
- List of Equipment available for providing calibration and routine Preventive maintenance support as per manufacturer guideline.
- List of important spare parts and accessories with part number and costing.
- Log book with instruction for daily weekly monthly and quarterly maintenance checklist.

(18) Product Name: PORTABLE TENS METER 2 CHANNEL

General Specification

- Product should have 2 independent channels.
- It should supply with minimum of 10 pre-defined programs, 3 customizable programs.
- Product must have Protection system to prevent the patient from changing any parameters.
- Prefer to have the following programs I,) **Pain relief programs:** burst, low/high frequency, frequency modulation II) Sport programs III) Fitness, Beauty & Wellness IV) Pain (TENS)
 - V) Prevention VI) Rehabilitation VII) Incontinence.
- It should be battery operated.
- The following standard accessories must be included, **Carrying bag**, 2 Cables for electrode connection, 4 Self-adhesive square electrodes (50x50mm) 4 Self-adhesive rectangular electrodes (50x90mm) Charger and User manual.

- Should be FDA, CE, UL of BIS approved (valid documentation should be submitted in technical bid).
- Manufacture should have ISO certificate for quality standards (valid documentation should be submitted in technical bid).
- Comprehensive training for Operator and Services Support for In- House Biomedical Engineer.
- On site Comprehensive warranty for 2 years.
- Availability Spare parts and all other accessories must be for 10 years.
- Should provide all the required accessories such as Adhesive electrodes, Rubber electrodes, Moist pads for rubber electrodes, Adapters.

Technical specification

- Intensity: 0-100 mA per channel
- Wave form: symmetrical biphasic pulse, 100% compensated
- Constant current: up to a resistance of 1000 ohm
- Frequency: 1 – 150 Hz
- Pulse width (single phase): 50-400 μ s
- Total pulse width 100-800 μ s
- Timer: max. 100 min
- Power supply: Mains or battery
- Battery: Rechargeable battery (NI-MH / 800mAh / 4.8V)
- Charger: Input: 100-240VAC, 50-60Hz, 0,32 max. Output: 6,5V --- 200mA
- Weight: 220 g
- Backlit display

Documentation

- User/Technical/Maintenance manuals to be supplied in English.
- Certificate of calibration and inspection.
- List of Equipment available for providing calibration and routine Preventive maintenance support as per manufacturer guideline.
- List of important spare parts and accessories with part number and costing.

- Log book with instruction for daily weekly monthly and quarterly maintenance checklist.



Figure:1

Category 2

(19-25) Product Name: WEIGHTED WRIST & ANKLE STRAP

- Strengthen weak muscle through load resisting exercise of both upper and lower limbs.
- It should be made from fireproof material.
- Color-coded with external stamp indicating the weight of each wrist strap.
- It must contain the following weights 250Gr ,500Gr, 1kg, 2kg, 2.5kg, 4kg, 5kg.
- Comprehensive warranty for 1 year



Figure:1



(26) Product Name: HAND GRIP STRENGTHNER

- The foam hand grips ensure a firm grip for strength training
- Build quality: precise, durable, ergonomic design and it must be suitable for everyone.
- Comprehensive warranty for 1 year



Figure:1

(27) Product Name: SHOULDER PULLEY

Shoulder pain is a common problem for which the healthcare provider may refer to physical therapy. A physical therapist can evaluate the situation and devise a plan of care to help the subject to restore the normal activity and function quickly and safely. The physical therapist may use various treatment modalities to help alleviate the shoulder pain. It leads to decrease pain in the shoulder and arm, Improve shoulder strength Improve range of motion (ROM) maintain proper posture.

General Specification

- The handle grip must be made with soft foam for comfortable and smooth handling.
- The pulley must be 100% stainless-steel to give long lasting performance.
- Pulleys can be rotated 360 degrees,
- Pulley diameter: 5cm
- Size: L40 X W4 X H27cm
- Thickness: 4mm

• Weight: 1.3kg

Should use high quality rope stoppers button for visual tracking



- The length of the bracket is 40cm, with two expansion screw fixed on the wall, can withstand the weight of 100kg
- The supplier has to provide all the necessary items for fixation on the wall.



Figure:1

(28-29) Product Name: ADJUSTABLE HANDLE (Light & Strong)

- Resistance Range:
 - Light must be adjustable from 5-20 kg / 11-44Lbs.
 - Strong must be adjustable from 10-40 Kg / 22-88 Lbs.
- It must be Portable and Lightweight.
- Product must be durable and Sturdy and best in quality.
- Comprehensive warranty for 1 year.



Figure:1



(30) Product Name: BALANCE & STIMULATION TRAINER

- Designed for exercises to develop the muscles and sense of balance, improving the sensation of balance, coordination and motor skills. Can be used standing up, kneeling or seated for exercises of the foot and ankle.
- Preferable size 60 cm. Ø
- Small, lightweight, and made of soft foam material
- durable and completely latex free
- It must be burst-resistant and can be can work under the maximum pressure of 135kg.
- Comprehensive warranty for 1 year.



Figure:1

(31) Product Name: PRESSED MAT

- It must be Fitted with handles and breathing holes.
- Inside foam rubber minimum density 30 or 100 kg (pressed).
- It must have M2 fireproof upholstery.
- Preferred dimension is (DIMENSION: 190 X 100 X 8cm).



Figure:1



MUSIC THERAPY

(32-34) Product Names: MUSCICAL BELLS - ANKLE BELL STRAP - COLOURED BELLS

- The musical bell should have Eight notes, in eight colors.
- It must be suitable for the age group 3 and up.
- It should be durable, reliable and in high- quality construction.
- The ankle bell strap must come with Strong Velcro attachment.
- It should have color preference.
- Comprehensive warranty for 1 year.



Figure:1



Figure:2



Figure:3

(35-37) Product Name: FORM BALL 70mm (15gr.) /95mm (30gr.)/130mm (70gr.)

- The product must be compatible for Hand Exercise, Finger Exercise, Wrist Exercise.
- It must be non-toxic
- The preferred dimensions are 70mm(15Gr.) 95mm(30Gr.) and 130mm(70Gr.)
- It must be ideal for men, women and children.
- Comprehensive warranty for 1 year.
- It should be available in different colors



Figure:1

(38) Product Name: REHABILITATION BALLS

- It must be ideal for men, women and children.
- The product should be Soft and comfortable.
- Prefer to have color variant.

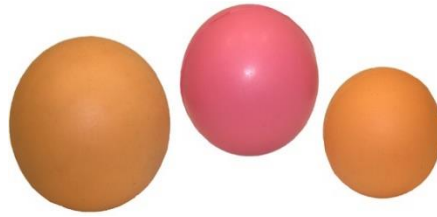


Figure:1

(39-41) Product Name: BALL WITH TENSORS (SOFT /MEDIUM/ FIRM)

(Recommended for strengthening the nine muscles that close and open the hand)

- Balls should be in different color, to differentiate the treatment progress.
- The product must be made from non-odorous molecular structure PU material.



Figure:1

(45-46) Product Name: KINESOLOGY TAPE

- It must be Soft and comfortable.
- Prefer to have Zigzag edge or plain edge,
- It should be easy to tear by hand,
- Tape should be Strong and reliable stickiness
- It should allow Constant unwinding tension.
- The product must allow skin to breathe
- Should not leave residue on body parts
- The Color preference are Blue & Pink
- Preferred size: 5cm X 5meter.



Figure:1

47, Product Name: MYOFACIAL GUN

Massage guns use percussive therapy, a form of soft tissue massage that uses vibrations. Percussive therapy relieves aches, sore muscles, knots, tension and other pains "Some athletes like to use the guns in their warmups to massage the muscles and help them get moving since percussive therapy has shown increased acute flexibility within the muscles used,"

General Specification

- Should have high quality brushless motor.
- The average operating sound should be between 30dB-43dB.
- Ergonomic design with non-slip silicone handle.
- Handle design: Ergonomic/smooth silicone sleeve or leather case.
- Massaging Strength-The tissue massage gun can reach tissue as deep as 12mm and up to 66lbs.
- It should supply with high quality lithium battery for its optimum performance.
- AI chip protection to provide better performance and feature of automatic power off.
- It can supply with the following massage heads: U-shaped head; small round head; spherical head; small flat head.
- It should have LED display makes it easy to read settings.
- Carry bag can be provided for easy transportation.

- Manufacture should have ISO certificate for quality standards (valid documentation should be submitted in technical bid).
- Availability Spare parts and all other accessories must be for 10 years.
- On site Comprehensive warranty for 2 years.

Technical specification

- Main material: ABS plastic (gun body)
- Product dimension: 18.8 x 24.2cm x 6.2cm
- Input voltage: 110-240v; 30-50HZ
- Power consumption: 20-30W
- Power supply: AC wall charger; lithium battery / removable
- Tripping type: DC, 26V = 1v
- Intensity gear position: 3 gear adjustment; one-key button
- Speed: 1200-3200 percussions per minute. with multi-level speed adjustment.

Documentation

- User/Technical/Maintenance manuals to be supplied in English.
- Certificate of calibration and inspection.
- List of equipment available for providing calibration and routine Preventive maintenance support as per manufacturer guideline.
- List of important spare parts and accessories with part number and costing.
- Log book with instruction for daily weekly monthly and quarterly maintenance checklist.



Figure:1



Figure:2