

CATEGORY A

Purchase & supply of Office Appliances, Furniture, Lab. Equipment, Computers, Split Air Conditioners, UPS, Photocopier Machine & Multimedia Projector for Establishment of Pediatric Physical Therapy Centre at Out Patient Department at Institute of Physiotherapy & Rehabilitation Sciences, LUMHS, Jamshoro.

Specification

S#	Description	Quantity	@ Rate	Amount
Items for Institute of Physiotherapy and Peads Rehabilitation Equipments, Furniture.				
01.	Wall Ladder 3 ft Polished refind wooden made	01 No.		
02.	Monkey bar wooden 6x3 ft Polished refind wooden made	01 No.		
03.	Peg and whole board. 1.5x1.5 ft preferably multiple shapes wholes/multicolored	01 No.		
04.	Gym Kit board . laminated exercise board with storage drawer have several holes to fix pegs and spring. Comes one finger disc, one roller, three springs loaded knobs, 3 aluminum pegs and 3 sets of springs of different tensions. The unit permits active & passive flexion & extension exercise of fingers & grip.	01 No.		
05.	Wavy tactile pathway set of 8 lengths makes maximum of 5 meter track with non slip bottom	01 No.		
06.	Cerebral palsy standing frames. 4 ft height with adjustable knee support and table	01 No.		
07.	Bolsters Set. Premium molded roles with size 1. 10" elevation x48" length Size 2. 14" elevation x 48" length	01 No.		
08.	Therapy Floor mats. 3x6 ft life time guaranty foam imported raxine preferly multicolors	02 No.		
09.	Wedges set. Size 1, 8" height x24" width x 26" large/ size 2, 12" height x24" width x 26" large	01 No.		
10.	Cerebral palsy chair. 14"x14" fully padded	01 No.		
11.	Parallel bar 3x10 ft length	01 No.		
12.	Stationary Cycle adjustable seats / heights to fit childs requirements, resistance tension control	01 No.		
13.	Hurdles 3x3 ft wooden base with soft foam & imported raxine cover	01 No.		
14.	Correction Mirror 3x5 ft, metal frame , on wheels	01 No.		
15.	Balance Board 20"x24"	01 No.		
16.	Hydraulic stool adjustable heights with hydraulic control & lock mechanism	02 No.		
17.	Bean Bags set. Small & medium sizes	01 No.		
18.	Sensory kit whole kit	01 No.		
19.	Walking frames Adjustable size chromed	01 No.		
20.	Quadripod gait trainer Adjustable size chromed	01 No.		
21.	Sensory board 3x4 ft with sensory objects of activities of daily livings	01 No.		
22.	Tilt Table small 4 ft horizontal to vertical angle	01 No.		

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**LIST OF EQUIPMENT FOR INSTITUTE OF PHYSIOTHERAPY & REHABILITATION SCIENCES,
LUMHS, JAMSHORO.**

ESTABLISHMENT OF KINESIOLOGY AND BIOMECHANICS LABS:

S.NO.	NAME OF EQUIPMENT	QUANTITY	UNIT RATE	TOTAL AMOUNT
01	Goniometers Universal goniometer 180 goniometer Finger goniometer Wrist goniometers Large joint goniometer	05 Nos .		
02	Posture Assessment Grid Grid Size 7ft x 4ft	02 Nos.		
03	Hand Grip Dynameter Standard	02 Nos.		
04	Inclinometer Standard	02 Nos.		
05	Electronic Weight Scale Standard	02 Nos.		
06	Traction Table and Unit Continuous and intermittent traction Safety stop swith. For lumbar and cervical region Traction force, base force, base hold time and treatment time. Minimum height 50cm Maximum height 100cm Cushion width 61 cm Head section length 40cm Leg section length 80cm Center section length 31cm Head section angle -57° to +18° Leg section angle 0° to +90° Total length 241cm Retractable wheels Lift mechanism electrical	01 No.		
07	Crutches, Stick and Frame Wheel Chair Adjustable	01 One each		
08	Couch / Treatment Table Size table top: 195x67 cm (LxW) height of 80 cm easily adjustable head- or back-section 4 adjustable chrome legs to guarantee maximum stability. The head-section model offers the possibility of a negative inclination, which is optimal for neck and shoulder treatment With Clutch system adjustment of head	05 Nos.		
09	Trampoline Medium size	01 No.		

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ESTABLISHMENT OF THERAPEUTIC EXERCISE AND MANUAL THERAPY LAB:

S.NO.	NAME OF EQUIPMENT	QUANTITY	UNIT RATE	TOTAL AMOUNT
01	Massage Table	01 No.		
02	Balance Boards	01 No.		
03	Wobble Boards	01 No.		
04	Exercise Therapy Mat	02 Nos.		
05	Bolster and wedges	01 Set		
06	Transfer Boards	02 Nos.		
07	Transfer Belt	02 Nos.		
08	Tread Mill Key features Motor (Fan Cooled) Powerful motor Fan cooled DC Motor with PWM (Pulse Width Modulation) Driver Running Speed Up to 20 Km/hr Incline Up to 20 levels Max Inclination Height (MIH) 340mm Distance 0.00 – 99.9km Calories 0 - 999 KCAL Pulse 70 – 200 Time 00:00 – 99:59 Maximum Load Capacity 200 kg	01 No.		
09	Manual Therapy Belt	02 Nos.		
10	Hydraulic Stool	20 Nos.		

CATEGORY A

ESTABLISHMENT OF PHYSICAL AGENTS ELECTRO LAB:

S.NO.	NAME OF EQUIPMENT	QUANTITY	UNIT RATE	TOTAL AMOUNT
01	Ultra Sound 1-3 MHZ Unit Detachable Applicator Cables Continuous and Pulsed Modes Built in applicator cradles Crystal to patient technology Water characteristics for underwater therapy 1-3.3 MHZ penetration depth 10,20,50 and 100% duty cycle modes. Rechargeable smart lithium ion battery Protective class I Equipment	01 No.		
02	DL2 Stimulator Dc current Faradic Current IDC 1 large electrode with leads 1small electrode with leads 1 pen probe with leads	01 No.		
03	Short Wave PULSED AND CONTINUOUS DIATHERMY SOFT RUBBER CARACITIVE APPLICATORS. FELT SPACERS FREQUENCY: 27.12 MHz HF output: 100W average power 200W peak power Pulse frequency: 10 Hz, 20Hz, 50Hz, 100Hz, 400Hz. Pulse duration range: 65 us, 100 us, 200 us, 300 us and 400 us. Treatment time: 1-30 minutes Operation temperature: +50OF to +104of (+10Oc to +40oc) Humidity: Operating, 30% to 75% relative humidity at 104OF (40oc) Nonoperating, 5 to 95% relative humidity, non-condensing. Storage temperature: 40of to 167OF Storage humidity: storage, 30% to 90% relative humidity at 104oF (40oc) no condensing Storage pressure: 700-900 mB	01 No.		
04	TENS 120Z DUAL CHANNEL CONSTANT, BURST, MODULATION STIMULATION MODES. MANUAL RATE CONTROL KNOB MANUAL WIDTH CONTROL KNOB BATTERY OPERATED	02 Nos.		
05	Interferential Unit Bipolar mode Quadripolar mode Complete accessories and applying cables	01 No.		
06	Infra-red Lamp lamp with adjustable height stand easily adjustable lamp angulations Base Made of M.S and rod made of Stainless steel with heavy base and Philips bulb.	02 Nos.		
07	Ultra violet Lamp lamp with adjustable height stand easily adjustable lamp angulations Base Made of M.S and rod made of Stainless steel with heavy base and Philips bulb.	02 Nos.		
08	Laser First laser system offering energy levels (joules) and time to be set from the laser probe Pulsed/comtinuous modes Sweep mode facility 100m W laser probe	01 No.		

CATEGORY A

ESTABLISHMENT OF PROSTHETICS AND ORTHODONTICS LAB:

S.NO.	NAME OF EQUIPMENT	QUANTITY	UNIT RATE	TOTAL AMOUNT
01	Orthopedic Prosthetics	01 Set each		
02	Artificial Limb U/E, L/E	01 No.		
03	Orthosis of U/E, L/E	01 No.		
04	Orthosis of Spine	01 No.		
05	Special Orthotics Devices	01 No.		

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ESTABLISHMENT OF CARDIOPULMONARY LAB.:

S.NO.	NAME OF EQUIPMENT	QUANTITY	UNIT RATE	TOTAL AMOUNT
01	Treadmill heavy duty 120kg Motor (Fan Cooled) Powerful motor Fan cooled DC Motor with PWM (Pulse Width Modulation) Driver Running Speed Up to 20 Km/hr Incline Up to 20 levels Max Inclination Height (MIH) 340mm Distance 0.00 – 99.9km Calories 0 - 999 KCAL Pulse 70 – 200 Time 00:00 – 99:59 Maximum Load Capacity 200 kg	01 No.		
02	Elliptical machine Moving handlebars Motorized Ramp up to 25" angle 16 Resistance levels 10 preset workouts	01 No.		
03	Stationary exercise cycle Standard	01 No.		
04	Telemetry wifi devices ECG transmission of seven vectors using standard 5 lead cable Automatic ECG cable 3/5 identification SpO2 telemetry Nurse call Button on the transmeter 96 hours of ECG transmission, using batteries 48 hours for transmission of both ECG and SpO2 Continuous display of 3 ECG leads Heart rate display with heart rate alarm Dual lead ST Measurement Arrhythmia alarms Full Disclosure of last 48 Hours	02 Nos.		
05	Smart LED screen 52 inch Standard	01 No.		
06	Electronic weight scale	01 Nos.		
07	Digital pulse oximeter Standard	04 Nos.		
08	Digital blood pressure monitors Standard	02 Nos.		
09	Home gym Standard	01 No.		
10	Spirometer Spirometry and flow Volume parameter Maximum ventilation volume (MVV) inspiratory capacity, expiratory reserve Volume Pre & post Bronchodilatation comparison Lung Volumes & Sub-divisions. Bronche provocation test.	05 Nos.		
11	Stethoscope Standard	05 Nos.		
12	Percussor Standard	01 No.		
13	Hyderolic couch Safe working load and lifting capacity (from minimum height) at 240kgs (528lbs= 37 stone) Adjustable backrest with positive negative angle Adjustable foot section with positive negative angle The head and foot sections incorporates anti-trap design Choice of manual or electric height elevation Excellent height range from 43-97cm (17"-37") Retractable wheel design with adjustable foot for uneven floors Purpose made precision bearing on all pivot points Clearance beneath frame for mobile hoist Hand switch fitted as standard on electric models	02 Nos.		

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INSTITUTE/ OFFICE APPLIANCES/ FURNITURE:				
01.	Rostrum Size 3x3.5 with microphones and speakers	01 No.		
02.	Student Chairs Plastic Material with Iron Base Including Iron side rack with writing pad	50 Nos.		
03	Wooden Stool Height 2 ft x 2 ½ ft bottom width 1ft ½ (square) Top/ upper width 15 inch (square) color polished	08 Nos.		
04	Computers for classes without LEDs Intel Corei7 with 4BG ram and ITB HDD	03 Nos.		
05	Computer for office with LED Intel Corei7 with 4BG ram and ITB HDD	01 No.		
06	Multimedia projector 6000 lumens	04 Nos.		
07	Multi Media Table size height 3ft length 2ft x2 ½ ft width 2x2ft with back holes for fixation of power/data cable/VGA cable and air crossing like almari/shelf shape or any suitable design with locking arrangements.	06 Nos.		
08	Projector Screen 10ftx8ft manual project screen	05 Nos.		
09	Air Conditioner 1.5 ton Gree or equivalent	04 Nos.		
10	Wall fan	04 Nos.		
11	Hydraulic Stool	20 Nos.		
12	UPS capcity: 1500VA backup time: 6-30 minutes with 2 PC+2x15? Monitor	10 Nos.		
13	Photocopier Machine Digital photocopier (heavy duty Machine 60 CPM)	01 No.		