

Central Purchase unit
National Institute of Technology Srinagar-190006
Tel:- 0194-2424792/2429423/2424809/2424797 Fax:- 0194-2420475

No. NITS/CPU/2017/MED/3489-95
DT: 29.11. 2017

M/S.....

Subject: Invitation of Bids for the supply of Medical equipment for Institute Medical Unit.

Dear Sir,

1. You are hereby invited to submit your most competitive Bid for the equipment with detailed Specification of these goods as give in Annexure-A. The offer is to be submitted in two bid System: Technical Bid and Price Bid separately in two envelops.

2. Envelope- A (Technical Bid) It should contain the following;

- (a) Detailed Technical specification of the Quoted item.
- (b) Authorization /Dealership/Manufacturer certificate.
- (c) Valid tax clearance certificate of bidders from J&K State.
- (d) Detailed Technical specification/ Literature of the goods/equipment.
- (e) The bidder should have sold at least 2 such systems till now, and proof needs to be attached for the same.
- (f) Bid security @ 3% of the price quoted (Price bid) in the form of CDR (Cash Deposit Receipt) / FDR (Fixed Deposit Receipt) / TDR (Term Deposit Receipt), valid for a minimum period of 6 months; Pledged to **Chairman, Central Purchase Unit NIT Srinagar.**
- (g) Tender document attached with the Bid security value less than 3% of the quoted price will be summarily rejected after the opening of financial bid.
- (h) Tender document fee Rs. 1,000/- in the form of Demand Draft only, in favour of **Director, NIT Srinagar.** Tender without document fee shall be rejected.
- (i) Certificate of Service Support after Sale.
- (j) Proof of legal status.

3. Envelope-B (Price Bid) It should contain the following;

- (a) Bid prices (Preferably in Indian Rupees)
- (b) Bid price should be firm for the bid validity period.
- (c) **All duties, taxes and levies (GST or any other tax) to be payable, must be quoted separately and clearly.**
- (d) **As per SRO 129 of Government of Jammu & Kashmir, the institute is Exempted from state entry tax. The Institute will provide Entry tax exemption certificate to successful bidder with supply order. The Institute is also exempted from Custom/Excise duty.**
- (e) The rate quoted should be FOR NIT Srinagar.
- (f) The rate should include the equipment installation, commissioning, and operational training to the Institute personnel.
- (g) Bid price should be without over writing; however minor over writing should be clearly signed by the bidder. In case of any discrepancy between price quoted in figures and words, the price quoted in words shall be accepted.
- (h) **The rates should be covered with transparent tape.**
- (i) Bid form in the format given in Annexure-B
- (j) Technical specification Schedule as per Annexure-C
- (k) Price bid schedule in the format enclosed in Annexure-D

4. Validity of Bids

Bids shall remain valid at least for 150 days from the date of opening.

5. Evaluation of Bids

- (a) The NIT Srinagar (Purchaser) will evaluate and compare the bids which are found substantially Responsive. i. e. which are
 - (i) Properly signed
 - (ii) Confirm to terms, conditions, and technical specifications.
 - (iii) Accompanied with tender fee, Bid security and all other documents.
- (b) No waiver for Tender fee or Bid security will be accepted. Any certificate to this effect will not be accepted.
- (c) Bids shall be evaluated separately for each item.

6. Award of contract

- (a) Contract shall be awarded to the bidder whose bid is commercially, technically responsive and offered at lowest evaluated price.
- (b) Successful bidder shall be notified about the award of the contract where in terms and conditions of supply shall be incorporated.

7. Proof of sale to other Organizations

NIT Srinagar reserves the right to ask for the proof that, same equipment has been sold to other organizations. The bidder may be asked to produce the copy of Purchase order and Bill Invoice. The same can be verified from the organization also.

8. Payment

100% payment shall be made against delivery of goods at NIT Srinagar Campus in good condition, as per specifications and successful installation/commission, and submission of performance security.

9. Warranty

(a) All items shall carry comprehensive standard replacement warranty of two years or as mentioned in the tender document for that item.

10. Performance security

(a) Successful Bidders shall submit performance security promptly after award of contract.

(b) Performance security shall be in the form of Bank Guarantee pledged to Chairman NIT Srinagar, for the amount as mentioned in the award of contract letter/supply order. However it shall not exceed 10% of the contract value.

11. Penalty for delay

A penalty of 0.15% (fifteen paisa per hundred) per day shall be imposed if the supply is made beyond the prescribed period mentioned in supply order.

12. Settlement of disputes

Settlement of any dispute will be made under the jurisdiction of Srinagar court.

13. Liquidated Damages

If the bidder after accepting the purchase order of goods/equipments or services, fails to deliver any or all of the goods/equipments or to perform the services within the specified period, a penalty of 15 paisa per hundred per day shall be charged. The maximum penalty can be limited to 10% of the cost. Once maximum is reached NIT Srinagar may proceed on its own to consider the termination of the supply order.

14. A pre-bid conference shall be held on 20.12.2017 at 3.00 P.M in the office the Chairman CPU.

15. Submission of Bids

(a) **The last date for submission of bids is 27.12.2017 up to 2.30 P.M.**

(b) Bids should be properly sealed.

(c) The two envelopes A & B together should be kept in a separate single envelope. **“Enquiry No., due date of opening and Quotation for supply of Medical equipment for Institute Medical Unit,”** must be mentioned on this envelope.

(d) Bids should be addressed to Chairman Central Purchase unit NIT Srinagar.

(e) Bidders not from Srinagar shall dispatch bids sufficiently well in advance so as to reach the destination one day prior to bid opening.

16. Bid opening

(a) The Technical Bid (Envelope- A) will be opened first and price Bid (Envelope-B) of the bidder will be opened after qualifying the Technical Bid (Envelope-A).

(b) Interested bidders can attend the bid opening.

17. Notwithstanding above the purchaser reserves the right to reject any or all the bids.

18. We look forward for your quotation.

Thanking you,

**Chairman
Central Purchase unit
NIT Srinagar**

Note:

1. Before preparing your valuable bid kindly go through the document fully and take care of all the requirements.
2. Bidders from outside Srinagar may please send their Bids much in advance so that they are received in time.

Annexure-A

Laboratory Equipment

S.No	Item	Specifications	Quantity	Delivery Period
	Cartridge-Based Portable Blood Gas Analyzer	<ol style="list-style-type: none">1. Small, easy-to-operate and portable system capable of measuring pH, PCO₂, PO₂, Na⁺, K⁺, Ca⁺⁺, Cl⁻, Glucose, Lactate, Creatinine/BUN, Hematocrit.2. Calculated parameters cHb, TCO₂, BE, BE_{ecf}, cSO₂, HCO₃⁻, Anion Gap, A-aDO₂,3. Should be able to operate both with AC adapter or battery and should be able to operate during charging.4. Input Parameters: Age, Gender, FiO₂, Temperature.5. Should be USFDA certified and CE marked.6. Sample requirement - not more than 125 µl.7. Sampling device: Syringe, Pre-heparinized Capillary coated with Li-Heparin for Neonatal sampling.8. Sample type: Arterial, Venous, Capillary, Cord Blood.9. The single-use test cartridges should be self contained with all the reagents, sensors & calibrating solutions.10. The system should not use any other consumable other than test cards and printer paper roll.11. System should be provided along with a dedicated (Bluetooth/IR/In-built) Thermal Printer.12. System should use gold standard Amperometric, Potentiometric, Conductometric principles for sensors measurement.13. The price of cartridges covering all the parameters in single card or multiple cards should be quoted. For evaluation, cost of card(s) covering all parameters will be evaluated considering, 50 tests/month for a period of three year along with the cost of instrument.14. All accessories like chargers, rechargeable batteries etc. should be supplied as per documented manufacturer's recommendations.15. Test cartridge should be quoted separately.16. Warranty should be 2 years.17. UPS should be quoted separately.	01	60 days

2	4 channel Coagulation Analyzer	<ol style="list-style-type: none"> 01. 4 independent measuring channels (2 parallels or 4 single tests) 02. Full-scope coagulation testing (Screening tests, Factors, Inhibitors & User defined tests) 03. Quantitative D-dimer measurement AT-III activity measurement 04. Liquid crystal color touch screen 05. Innovative user interface 06. Visual sample traffic guidance for easy and touchless operation 07. Synchronized on screen and LED real-time channel status follow-up 08. Green for preparation, Orange for incubation, Red for measurement 09. QC feature 10. Extendable data storage capacity 11. On-board storage of up to 20 cuvettes for preincubation 12. 2 thermostated reagent positions both with magnetic stirring 13. Easy to use thermal printer 14. 2 USB connections for software upgrade and data transfer 15. Optional barcode reader 16. Should be USFDA certified/CE marked. 17. Warranty should be 2 years 18. Reagents/Kits /Accessories should be quoted separately (Like PT, APTT, DDimer, AT-III, Protein C, Protein S and Controls)etc 19. UPS should be quoted separately. 	01	
3	Protein Analyzer	<ol style="list-style-type: none"> 01. Principal photometry and nephelometry 02. Calibration through smart card 03. Light source:- Laser LED 650 nm 04. Laser Power :- 5mw 05. Photo detectors:- Laser Detector 06. Temperature control:- Dry Heating 07. Mixing: - Automatic by rotor 08. Zero setting: - Automatic 09. Printer: - Inbuilt/external 10. Should be USFDA certified/CE marked. 11. Warranty should be 2 years 12. All Reagents/Kits /Accessories should be quoted separately 13. UPS should be quoted separately. 	01	
4	Urine Analyzer with ACR (Albumin to Creatinine Ratio)	<p>A semi-automated urine analyzer with advanced high luminosity cold light source with 4 wavelengths, which improves the sensitivity, accuracy, specificity and reduces the interference from ambient light.</p> <p><u>Technical Specifications</u></p> <ol style="list-style-type: none"> 01. 4 Test wavelengths, providing better accuracy of results (525 nm, 572 nm, 610 nm, 660 nm) 02. Test principle: Photoelectric colorimetry advanced high luminosity cold light source 03. Test throughput of 514 strips/hour 04. Data memory of 2000 tests 05. In built thermal printer 06. Computer Interface and parallel printer port 07. Colour compensation patch on strip along with highly sensitive blanker on instrument's tray which eliminates bias due to dark-colour urine samples 	01	

		<p>08. Should do Glu, WBC, RBC, Ph, Specific gravity, urinobilynogen, ketone, albumin, nitrate, Bilirubin microalbumin and ACR (Albumin to Creatanine Ratio)</p> <p>09. Automatically rectify the test results influenced by non-specificity, pH, specific gravity and colour</p> <p>10. Large LCD touch-screen</p> <p>11. Waste urine collecting system</p> <p>12. Dual reporting in mg/dL as well as plus system (+,++)</p> <p>13. Provision for connecting to barcode reader and external printer</p> <p>14. Calibration strip for calibrating instrument</p> <p>15. Should be USFDA certified/CE marked.</p> <p>16. Warranty should be 2 years</p> <p>17. Strips /Accessories should be quoted separately</p> <p>18. UPS should be quoted separately</p>		
--	--	--	--	--

Annexure-A

S.No	Item	Specifications	Quantity	Delivery Period
1.	Biomechanical Stimulation	<p><u>Biomechanical Stimulation</u></p> <p>BMS (Biomechanical Stimulation) handheld unit gives you a battery- powered high-performance handheld vibration treatment. It is appropriate for professional treatment of small, medium, and large muscle areas, tendons, and mechanoreceptors with vibration frequencies between 5 and 30 Hz. It can also be universally used to support a variety of treatment approaches. The vibrations produced with battery-powered BMS handheld unit also support other forms of therapy. It's easy-to-read display and und modern button operation make the battery-powered BMS handheld unit user-friendly.</p> <p>Data such as time and frequency are legibly displayed on a lighted LCD display. The aluminum hand piece is ergonomically shaped and rests comfortably in the operator's hand. The treatment heads can be easily replaced. START/STOP functions both on the hand piece and on the control unit itself provide an extra measure of comfort during operation</p> <p>Voltage: 90 - 264 VAC / 50 Hz 50 W (rated max consumption)</p> <p>Current: 0.7A 230V 1.2A 115V</p> <p>(device fuse combined with IEC connection and line filter)</p> <p>Operating voltage: 24 V DC (rated voltage)</p> <p>Vibration frequencies: 5to30Hz(Infinitelyvariableselectable1Hzincrements)Unit weight: control unit housing 9.26 lbs. (4.2kg) Handheld unit 2.1 lbs. (0.940kg)</p>	01	60 days

		<p>Dimensions(approx.max.): Control unit with plug connections: 9.8" x 9.0" x 6.7" (250 mm x 230mm x 170 mm) (W / D / H) Hand piece: approx. ø 1.7" x 12.2" (42mm x310mm) Noise emission: less than 60dB(A) Compliance: CEdeclarationofconformityperMedicalDevicesDirective 93/42/EECCou</p>										
2.	water filtered Infrared A	<p><u>water filtered Infrared A (wIRA®: 780-1400nm), Visible light</u></p> <p>400-780nm), contains no UV radiation 20 cm/32 cm diameters 230 V, 50 – 60 Hz alternating current 600 W/ 775 W Length: 28,5/28 cm, wide: 23,5/27 cm, height: 35,5/28 cm E = 200 ±10% mW/cm² (in the center of the optical axis) automatic resetting temperature after cooling Around. 5 kg / 7,5 kg with table tripod without package in accordance with directive 93/42/EEG and 2007/47/EG Active medical devices classIIa Various tripods available</p>	01									
3.	Hyperthermia unit	<p><u>Hyperthermia unit</u></p> <p>Main features :</p> <ul style="list-style-type: none"> • One source of endogeneous heat constituted by a generator of electromagnetic waves at a frequency of 433,92 MHz • One source of exogeneous thermo-regulation for the cooling of cutaneous layers • A transmitter able to transfer both types of energies , endogeneous by elctro-magnetic means and exogenous one for thermal conduction/convection; the transmission of energy through water happens in ideal conditions of electro-magnetic and mechanuc coupling • A highly precise thermometric system for controlling both sources • An intelligent controller that manage the session parameters , in particular the power of electro-magnetic emission according to thermometric measurements • A live tested control algorithm 	01									
4.	CRYO Therapy	<p><u>CRYO Therapy</u></p> <p><i>Kit designed for group practices or large facilities.</i></p> <p>Features: Fixed system; cylinder located remotely.</p> <p>Technical characteristics:</p> <table> <tr> <td>Height</td> <td>:</td> <td>10</td> <td>cm</td> </tr> <tr> <td>Depth</td> <td>:</td> <td>30</td> <td>cm</td> </tr> </table>	Height	:	10	cm	Depth	:	30	cm		
Height	:	10	cm									
Depth	:	30	cm									

		<p>Width : 40 cm Weight empty: 5.2 Kg Stand-alone operation Battery charger supplied with kit (12 volt)</p> <p>Ergonomic pistol fitted with a laser-guided infrared measurement system allowing instantaneous thermo graphic diagnosis.</p> <p>Interchangeable nozzles</p> <p>Control panel with ultrasensitive keypads.</p> <p>Control screen displaying :</p> <ul style="list-style-type: none"> >Skin temperature (measured by ultrasensitive infrared pyrometer) >Programmed treatment time >Gas cylinder charge >Battery charge <p>Pedestal table option for moving cylinder</p> <p>Characteristics:</p> <ol style="list-style-type: none"> 1. Hyperbaric gaseous cryotherapy 2. Low temperature (-78° C) at very high speed pressure 50 bars by spraying Carbon dioxide microcrystals 3. Regulation of local homeostasis procures an immediate therapeutic response 4. Abrupt lowering of the skin temperature from 32°C to 2° C in 30 seconds, sensory receptors are stimulated 5. Control Panel with Temperature display Application time. <p>Battery charge indicator Optional CO₂ cylinder.</p>	01	
5.	DYNATORQ WITH LEVER	<p><u>DYNATORQ WITH LEVER</u></p> <p>Load Characteristics Adjustable resistance with pre-selection of elastics</p> <p>No. of elastics : 16</p> <p>Overall dimensions : 164x 104x 210 cms</p> <p>Required area for operation : 165x 105 cms</p> <p>Weight : 80 kgs</p> <p>Configurations :</p> <p>Standard configuration with bearing footboard “Wall mounted “configuration with attachment brackets</p> <p>Features:</p> <ul style="list-style-type: none"> ✓ Intra-extra rotation movement with abduction level selectable between 0-90 ✓ Provision for abduction and elevation movements(optional lever) ✓ Height adjustment (sitting patients and patients having resistance between 130 and 210 cms) 	01	

		<ul style="list-style-type: none"> ✓ Rest point (Zero resistance) that can be set at any angle 		
6.	Electronic Balance Platform	<p><u>Electronic Balance Platform</u></p> <p>Characteristics</p> <ul style="list-style-type: none"> ✓ Wide Anti-slip area : 42 x 42 cms ✓ Three various balancing radii 5-12-20 cms ✓ Programmable visual feedback ✓ Stereophonic acoustic feedback ✓ Video games for entertainment and real time involvement of the patient ✓ High tech material ✓ Exercises performed : Progressive, Alternate, Various ✓ Equipment in compliance with directive 93/42 the EEC (EC mark) 	01	
7.	Spinal Tractio	<p><u>Spinal Tractio</u></p> <p>Combination of Lumbar Rotation, Lumbar Distraction, Neck Rotation, Spinal Rotation, Heat Therapy & Whole Body Massage</p> <p><u>Specification :</u></p> <p>Segment Move : Over 900 mm ± 10mm, 13Cycles/Min</p> <p>Angle : 22 degree ± 3 degree</p> <p>Traction (Auto) : 60 mm - 80mm ± 5mm</p> <p>Temperature : Temperature (35 deg. cel. to 50deg. cel.) ± 5deg. cel.</p> <p>Message (Vibration) : Maximum 20per minute</p> <p>Power : AC 110 V to 220V, 60Hz, 160W</p> <p>Weight : Body 105kg</p> <p>Dimensions (W,D,H) : 1750 (W) X 580 (D) X 540(H)</p>	01	
8	Device Tacer	<p><u>Device Tacer</u> complete with:</p> <p>– 4 frequencies (420,500,720,1000 KHz); white light hand pieces; <i>anodized electrode holders in aluminum white</i>; display b/w touch screen and knob for power adjust; energy transfer modalities: continuous or pulsed</p> <p>N.3 Resistive electrodes, 35-55-75 with black cover</p> <p>N.3 Capacitive electrodes, 35-55-75 with black cover</p> <p>N.1 <i>Stainless steel fixed electrode with pincer</i></p> <p>N.1 Cream bottle with dispenser kg 1</p> <p>N 1 Carrying case</p>	01	
9	LASER THERAPY	<p><u>LASER THERAPY</u></p> <p>the dual wavelength Laser diode: Antalgic effect & bio-stimulation</p> <p>Wave at 810 nm: High absorption with local bio-therm activation</p> <p>Wave at 980 nm: High penetration and high bio-</p>		

		<p>stimulation effects Power up to 8 W: divided into two equal wavelengths in order to ensure maximum efficiency in depth</p> <p>Features Source type: semiconductor Wavelength: 810 nm, 980 nm Power: 8 W Emission: continuous, pulsed (freq: 0.50Hz, duty cycle: 0-100%) Type of fiber: quartz/quartz Power: 230V, 50 Hz Absorption: 100 V A Protection class: I B Classification: IV</p>	01	
10	ISOKINETI	<p><u>ISOKINETIC</u> Isokinetic multi-joint system for evaluation and rehabilitation of larger joints: shoulder, knee, ankle. Test rehabilitation, training in Concentric, Isometric, Eccentric, Mixed and Passive mode. Isotonic and hydrodynamic exercise. Multi-Joint Approach: Ankle, Knee and Shoulder Isokinetic dynamometer with active hydraulic Actuator Configuration: Knee: flexion/extension; Ankle: dorsal/plantar flexion; Shoulder: intra/extra rotation; Closed Kinetic Chain Angular velocity range in concentric mode: from 40°/s to 400°/s Angular velocity range in eccentric mode: from 20°/s to 200°/s Passive speed ranging from 5 to 20°/s Angles for isometric exercise (0°-90°) in steps of 15° (30° for the shoulder) Torque resolution 1 Nm Maximum concentric force 600 Nm +/- 5% Maximum eccentric force 600 Nm +/- 5% Safe and high operating reliability active oleo-dynamic motor allows the dynamometer to act in response to the torque produced by the patient moving in a direction opposite to the applied torque permitting the muscle to perform eccentric exercises. A sophisticated control allows the dynamometer to provide a continuous motion at a constant speed (passive mode) and to Simulate isotonic and the more original hydrodynamic work.</p> <p>compact system for multiple joints, specifically designed for the rehabilitation of the Knee, ankle and shoulder, and for the execution of closed chain exercises with the lower limbs. It can be used safely in both concentric and eccentric mode to evaluate, re-educate and train Muscles It is very cost-effective.</p>	01	

11	Elastic resistance leg press	<p>Elastic resistance leg press for training and assessment in CKC of lower limb complete with: Mechanical unit with 8 selectable rubber bands load Reclining Backrest Continuously adjustable footboard position Determination of exercise angle Footboard adjustment angle range: -20 to + 15 degrees Optical Encoder Software under Windows <input type="checkbox"/> environment USB Connection cable User manual</p>	01	
12	(Physical regeneration accelerator System	<p><u>Unit Name : (Physical regeneration accelerator System)</u></p> <p>Regeneration System for quicker Regeneration and the replenishment of the athlete's Performance in competitive sports. It offers new dimensions to the science of training, adding one further dimension to Performance improvement.</p> <p><u>TECHNICAL DETAILS:</u></p> <p>Performance data : 0 to – 70 mbar (Below atmospheric pressure) Interval: (Negative pressure/ atmospheric pressure): 2 -30 sec, selectable Treatment time: 5 to 60 min, selectable automatic switch off</p> <p>With Eight Preset Programmes : - Dimensions (LWH) : 225 x 70 x 110 cm Weight : 110kg, 220-230V, 1.300 Watt</p>	01	
13	GAIT AND MOTION ANALYSIS	<p><u>GAIT AND MOTION ANALYSIS</u></p> <p><u>Analysis and Rehabilitation of the movement</u></p> <p>It is a system based on motion sensors with the following principles: <u>Analysis of the quality of the movement</u></p> <p>3D decomposition of the movement: Bio Val results display the amplitudes of movement on 3 axis it allows to track the movements of compensation. Comparison: The possibility of repeating analyses also allows to easily visualize the evolution of the patient. Side comparison: Bio Val allows to compare the</p>		

movements of the right and the left limbs.
Proprioception: Limb repositioning tests and exercises allow to estimate and rehabilitate the proprioception
Movement recovery: The exercises are gathered by objective. This facilitates the preparation of sessions and the practitioner can easily target the exercises matching the patient and his pathology.
Amplitude: The rehabilitation of the movement consists of multiple elements and the first one would be the joint amplitude
Neurology: The rehabilitation with visual feedback done with Bio Val, allows to act on the nervous system and to facilitate the relearning.
Precise movement: Because the definition of the movement cannot be reduced to the amplitude Bio Val allows to work the precision and the control.
Proprioception: Bio Val allows a better perception of the movements thanks to the visual feedback.
Performance: Especially for sports people, it is important to recover a successful and effective movement. The parameter setting of the exercises allows to adjust the difficulty and thus the rehabilitation to all kind of patient.
Unlimited possibilities: Unit should be adapted to all the patients and to numerous pathologies

Technical information

Performances depend on the chosen configuration & on the computer used

Motion sensors (MotionPod)

Size (length/width)	32 x 21 mm
Thickness	15 mm
Weight	14 g
Material	Polycarbonate
Battery	150mAh
polymer Li-ion	
Battery life	6H
Charging duration	2-3H
Number of charging cycles	500
Simultaneous sensors	8*
Acquisition frequency	25-200Hz*
Frequency band	2.4GHz
Precision	1°
Wireless range	30m
Communication PC/receiver	USB
Power supply	USB cable
OS Windows (Seven)	(XP, Vista,

Walking mat (WinTrack)

Size (length/width) 1610 x 652 mm
Thickness 9 mm
Weight 11,8 Kg

		<p>Material Composite Active surface 1500 x 500 mm Maximal weight 300 kg Sensors resistive Sensor size 7,8 x 7,8 mm Sensor thickness 3 mm Number of sensors 12288 Temperature range de 0°C à +85°C Pressure min/max per sensor de 0,4 à 100 N Acquisition frequency Jusqu'à 200 images/sec Communication PC/platform USB Power supply Par le câble USB OS Windows (XP, Vista, Seven)</p> <p><u>Video synchronisation</u></p> <p>Resolution 320 x 240 pixels* Simultaneous cameras Up to 3 cameras (uniquement dans RM.Lab)* Acquisition frequency 30 Hz* Compatibility Any USB camera Processor 1Ghz Dual Core RAM 2 Go Hard drive 1 Go Screen resolution 1024*768 (24bits) Video card CHIPSET ATI or NVIDIA (526 Mo dedicated RAM)</p> <p><u>Characteristic of the sensor:</u></p> <table data-bbox="411 1200 1254 1491"> <tr> <td>Size(width/length)</td> <td>30mm x 40mm</td> </tr> <tr> <td>Thickness</td> <td>150mm</td> </tr> <tr> <td>Data Transmission</td> <td>bluetooth bandwidth</td> </tr> <tr> <td>2.45 Ghz</td> <td></td> </tr> <tr> <td>Autonomy of the sensor</td> <td>10-12 hours</td> </tr> <tr> <td>Recharging the sensor controller</td> <td>fixation on the motor</td> </tr> <tr> <td>Connection to the motion controller</td> <td>USB cable</td> </tr> </table> <p>Minimum XP configuration for Bioval:</p> <table data-bbox="411 1603 1062 1715"> <tr> <td>Processor</td> <td>1.5Ghz</td> </tr> <tr> <td>RAM</td> <td>512 mo</td> </tr> <tr> <td>Harddrive</td> <td>10 Go</td> </tr> </table> <p>Minimum vista configuration for Bioval:</p> <table data-bbox="411 1827 1062 1939"> <tr> <td>Processor</td> <td>1.5Ghz</td> </tr> <tr> <td>RAM</td> <td>2 mo</td> </tr> <tr> <td>Hard drive</td> <td>10 Go</td> </tr> </table>	Size(width/length)	30mm x 40mm	Thickness	150mm	Data Transmission	bluetooth bandwidth	2.45 Ghz		Autonomy of the sensor	10-12 hours	Recharging the sensor controller	fixation on the motor	Connection to the motion controller	USB cable	Processor	1.5Ghz	RAM	512 mo	Harddrive	10 Go	Processor	1.5Ghz	RAM	2 mo	Hard drive	10 Go	01	
Size(width/length)	30mm x 40mm																													
Thickness	150mm																													
Data Transmission	bluetooth bandwidth																													
2.45 Ghz																														
Autonomy of the sensor	10-12 hours																													
Recharging the sensor controller	fixation on the motor																													
Connection to the motion controller	USB cable																													
Processor	1.5Ghz																													
RAM	512 mo																													
Harddrive	10 Go																													
Processor	1.5Ghz																													
RAM	2 mo																													
Hard drive	10 Go																													
14	Triple-therapy unit	Triple-therapy unit - electrotherapy, ultrasound therapy and laser therapy																												

CHARACTERISTICS

- Three possible treatments
- Two possible treatments at the same time
- Combined therapy (ultrasound + electric current)
- Big, color graphic screen (4,3") with touch panel.
- User-friendly operation by touch screen and buttons.
- Ergonomic treatment heads
- Esthetic design
- Convenient probe/treatment head holder
- Ready to use programs for typical illnesses
- User's own programs – with easy to use screen keyboard
- Individual regulation of all treatment parameters
- Function of fan control which minimizes energy consumption and generated noise
- Counters of number and time of treatments
- May be used as portable

Lasertherapy features

- Continuous and pulsed work mode
- Repeat dose function
- Sensor for power check of probes

Ultrasound therapy features

- Continuous and pulsed work mode
- Double-frequency probes:
1MHz and 3,3MHz in 5cm² or 1cm² size
- Water-resistant probes
- Sound and visual signal of contact of the probe with patient

Electrotherapy features

- Setting of different wave modulations (electro-gymnastics)
- Setting of sequence of dia dynamic currents
- User friendly electro-diagnostics (I/t curv points, automatic calculation of coefficients); last 4 tests are stored in the memory

15	MAGNETIC FIELD THERAPY UNIT	<p>MAGNETIC FIELD THERAPY UNIT</p> <p>Functionality</p> <ul style="list-style-type: none"> - 2 treatments simultaneously. <p>The unit has innovative control system, each applicator has its own treatment clock and may be turned on and off independently from the other. It allows starting 2 magneto therapy treatments independent in time – with the same treatment parameters (1 channel).</p> <ul style="list-style-type: none"> - Connections for 2 applicators <p>Aesthetics</p> <ul style="list-style-type: none"> - Modern control unit enclosure - Unique design of applicators - The whole set makes a magnificent appearance - Optional color adjustment to one’s needs <p>User friendliness</p> <ul style="list-style-type: none"> -Big, color graphic screen (4, 3”) with touch panel. - Ready to use programs for typical illnesses. - User’s own programs – for therapist’s own most used treatment parameters. - Personalized regulation of all treatment parameters in a given channel. - Operation by touch screen and buttons. <p>Additional advantages</p> <ul style="list-style-type: none"> - Wide frequency range of magnetic field: 1 - 100Hz - Special programs MX1 and MX2 – automatic modulation change 	01	
16	Movement therapy system	<p><u>Movement therapy system for upper and lower limbs</u></p> <p>Motion active and passive therapy</p> <p>Active Mode:</p> <p>5 levels of resistance for Active exercising. Active training for upper and lower limbs. Adjustable crank-arm height and length. Improve blood circulation, strength endurance and muscle-tone. Learn the metrics of cycling.</p> <p><u>Technical Specifications</u></p> <p>70.5 lbs 32 kg Trainer weight 27.5 lbs 12.5 kg Trainer base 26.5 lbs 12 kg Seat</p>		

		12 lbs 5.5 kg Seat base 25.5 lbs 11.5 kg Wheelchair platform (optional) 162 lbs 73.5 kg Total trainer weight 3 lbs 1.4 kg Power supply 59 " 150 cm Length 29 " 74 cm Width 59 " 150 cm Height 110/230 VAC 110/230 VAC	01	
17	Biofeedback system with stimulator	<u>Biofeedback system with stimulator</u> BIOFEEDBACK 2 EMG channels with biofeedback acquisition up to 10000µV 3 different Biofeedback software Quantitative evaluation with cursors Negative Biofeedback Pre-set up work models and personalized creation Pre-set treatments and protocols included classified by pathologies Acquisition values display Automatic Stimulation with threshold Parameters modification during the session STIMULATION 2 Generators completely independent (intensity + current) Rectangular biphasic and monophasic currents Interferential Current Programs pre-set up by pathologies (Urogynaecology, Proctology, Rheumatology, Traumatology, Physiotherapy) Personalized programs creation Modifiables slopes from 0 up to 100% Modulation (frequency and pulse) Alternate or simultaneous stimulation	01	
18	Shortwave Diathermy	Shortwave Diathermy - Pulsed and Continuous Standard accessories: Pad Electrodes & Disc Electrodes High power medical diathermy incorporating a high power transmitting oscillator valve and solid state rectifier, Unit fitted with cooling fan RF power source Vacuum generating valve Operation frequency 27.12 MHz Wavelength: 11 meters Pulse Mode : Output 1000 W, Continuous 500 W Ratio : 1 : 2 <u>Technical specifications:</u> Operating voltage 220 VAC		

		<p>With step up meter for control of valve voltage Fitted on four wheel for movement With display meter</p>	01	
19	Arm Ergometer	<p><u>Arm Ergometer</u></p> <p>Width: 70 cm Length: 75 - 160 cm Height: 160 cm Weight: 130 - 165 kg</p> <p><u>Technical Specifications:</u></p> <ul style="list-style-type: none"> - Console with LCD Graph display 320x240 lighted with white leds and "Dot Matrix" display with high luminosity green leds; - Acoustic warning to the pressure of the keys; - Output RS232; - Electronic variation of effort; - Resistance: 0-600 Watt constant; - Electronic system of resistance; - Cardio recording with chest belt; - Electric power supply: 12V dc; - Belt traction; - Effort increasing: 1 watt; - Removable and adjustable saddle (RUN-7417/T); - Easy accessibility for user (RUN-7417/T); - EEC 93/42 certification (medical device). <p><u>Standard Accessories:</u></p> <ul style="list-style-type: none"> - Service equipment; - Chest belt for cardio rate test; - Wheels for movement. <p><u>Optional Accessories:</u></p> <ul style="list-style-type: none"> - Seat with back (RUN-7417/T); - Software of cardio machines network management. <p><u>Console functions:</u></p> <ul style="list-style-type: none"> - "Dot Matrix" display showing Time, Distance, RPM, Watt and Messages for use; - LCD Graph display showing Heart Rate, Calories, Watt, Graphs and Function keys; - 6 pre-set profiles that can be modified changing the effort in Watt proportionally; - 20 free profiles with time and watt set up of every single step; - CARDIO: training at constant pulsations (80% of max. theoretical own heart rate) with machine self-adjustment of effort to keep heart rate within max set value; - FAT BURNING: training at constant pulsations 		

		<p>(65% of max. theoretical own heart rate) with machine self-adjustment of effort to keep heart rate within max set value;</p> <ul style="list-style-type: none"> - THREE TESTS: two auto tests, VO2Max and CWL (Constant Work Level), let making a constant heart rate or load exercise. The third, RUNNER TEST, lets making an increasing load exercise with ¼ watt rising effort speed per user's kg weight; - COUNT DOWN: decrease setting of exercise timing; - DIST DOWN: decrease setting of distance to be covered; - CAL DOWN: decrease setting of calories to be burned; - PERSONAL INFO: setting of user's personal data (sex, age, weight and H.R.). <p>Maintenance: - Not required.</p>	01	
20	Treadmill	<p><u>Treadmill</u> <u>Technical specifications:</u></p> <ul style="list-style-type: none"> • Console with LCD Graph display 320x240 lighted with white leds and "Dot Matrix" display with high luminosity green leds; • Max. working speed: 25.0 km/h constant; • Min. working speed: 0.2 km/h constant; • Max inclination: 30%; • Min. inclination: 0%; • Electronic variation of inclination and speed; • Walking surface: 154.5 x 54 cm; • Toroidal transformer 123VA; • Engine power (peak) 7 HP (AC); • Inverter Fuji; • Electric power supply 220/240 V – 50/60 Hz – 12 amp; • Auxiliary circuit power supply for inclination: low tension 18 V a.c.; • Auxiliary circuit power supply for console: low tension 12 V d.c.; • Absorbed power at max. speed: 3000 VA; • Nominal absorbed power: 2500 VA; • Noise: < 30 DB; • Damped board; • Self-centring belt system; • Self-oiling belt system; • Acoustic warning to the pressure of the keys; • User's max. weight: 180 kgs; • Double cardio recording: hand grip + chest belt; • Certificate of conformity to EC rules. <p><u>Standard accessories:</u></p> <ul style="list-style-type: none"> • Wheels for movement; • Objects and water bottle holder; • Service equipment; 		

		<ul style="list-style-type: none"> Chest belt for cardio rate monitoring. <p><u>Console functions:</u></p> <ul style="list-style-type: none"> CARDIO: training at constant pulsations (until 80% of max. theoretical own heart rate) with machine self-adjustment of the speed to keep heart rate within max. set value; FAT BURNING: training at constant pulsations (until 65% of max. theoretical own heart rate) with machine self-adjustment of the inclination to keep heart rate within max. set value; <p><u>PROFILES:</u></p> <ul style="list-style-type: none"> 6 basic profiles that can be modified with speed, inclination and time independent setting; 3 fast pre-set profiles for easy use; 50 free profiles with time, inclination and speed setting; THREE TESTS: two auto tests, CHR (Constant Heart Rate) and CWL (Constant Work Level), let making a constant heart rate or load exercise. The third, Runner Test, lets making an increasing load exercise with 1 km/h rising speed per minute; TIME DOWN: decreasing setting of exercise timing; DIST DOWN: decreasing setting of exercise distance to run; CAL DOWN: decreasing setting of exercise calories to burn; PERSONAL DATA: setting of user's personal data (age, weight and sex). 	02	
21	Under water massager	<p><u>Under water massager (deluxe)</u> Name: Under Water Massager (Deluxe) Size: 72"x36"x28" Made of: Fiber Glass (with accessories)</p>	01	
22	Sauna bath	<p><u>Sauna bath (carbon heater) (5 to 6 heater)</u> Sauna bath (carbon heater) Size : 60"x48"x84" (2 to 3 sitting) Made of : Pine Wood/Glass</p>	01	
23	Panchkarma table	<p><u>Panchkarma table</u> Shirodhara Table (Deluxe) (With Drawer) Size : 96"x30"x30" Made of : Wooden</p>	01	
24	Treatment bed	Treatment beds 6x3 wooden 12 Nos	01	
25	Transforme	Transformer 25 Kv	01	

26	Tables and chairs	Tables and chairs	6/each	
27		Towards the Interiors for the establishment of Physiotherapy Centre including the cost of 04 No Hot & Cold 02 Ton AC, the electric fittings as per the requirements, vitrified flooring for all the rooms, wooden paneling and aluminium partitions for the Cabins, face lifting of the complete centre.		
28	DG Set	50 KVA DG Set	01	
29	UPS	15 KVA Online UPS	01	

(Tender opening format)

Name of the firm: _____

Tender for supply of _____

NIT No: & Date: _____

Technical specification/ literature attached: - Yes/No

Valid tax clearance certificate attached: - Yes/ No

Registration/ Authorization Dealership/

Manufacturer certificate attached: - Yes/ No

Revenue stamp affixed: - Yes/ No

Rates covered with transparent tape: - Yes/ No

Bid document fee deposited: - Yes/ No

CDR/FDR/TDR enclosed: - Yes/ No.

Bid price in Indian Rupees: - Yes/ No

FOR Srinagar: - Yes/ No

Bid without correction/overwriting: - Yes/ No

Seal & Signature of the Supplier

Annexure-B
BID FORM

From M/S.....

.....

To
Chairman,
Central Purchase unit,
NIT Srinagar

Ref: NIT No.: NITS/CPU/2017 / / Dated: . .2017 goods/Equipment for
_____Deptt.

Sir,

With reference to above invitation for bids we would like to say that we have gone through your bid document thoroughly and hence offer our competitive Technical/Price Bid in sealed envelope for the supply of various goods/equipment listed in your document.

The following documents constitute our Bid.

- (a) Bid form
- (b) Price Bid schedule in the requisite format
- (c) Authorization dealer ship certificate from the manufacturer
- (d) Valid sales tax certificate
- (e) Technical literature for the goods/equipment
- (f) Names of organization where this equipment has been supplied.
- (g) Bid security as mentioned in the schedule of requirements in the form of CDR drawn in favour of the Chairman Central Purchase Unit NIT Srinagar.
- (h) Telephone No.....

Kindly feel free for any enquiries and clarifications.

Yours Sincerely

(.....)

From M/S.....

Place.....

Date

