



## **MORARJI DESAI NATIONAL INSTITUTE OF YOGA**

(An autonomous organization under Ministry of AYUSH, Govt. of India)

68, Ashok Road, Near Gole Dak Khana, New Delhi – 110 001

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Website: [www.yogamdniy.nic.in](http://www.yogamdniy.nic.in)

File No.MDNIY/S&P/2017-18/571

Dated: 21st Jan, 2020

### **Notice Inviting Tender (NIT) for supply and installation of instruments for Biochemistry, Anatomy and Physiology Lab in MDNIY**

Morarji Desai National Institute of Yoga (an autonomous organization under the Ministry of AYUSH, Govt. of India, New Delhi) invites sealed quotations (EMD, copies of ATR for the last 03 years and copy of GST Number etc.) from the reputed firms for supply and installation of instruments for Biochemistry, Anatomy and Physiology Lab in MDNIY, as per specifications and quantity of each item at Annexure-‘A’.

#### **Schedule of Invitation of bid:**

Last date and time of submission of bid document	05.02.2020 up to 02.00 PM
Bid document to be submitted to	Director, Morarji Desai National Institute of Yoga, 68, Ashok Road, New Delhi-110001
The EMD to be submitted	Rs.25,000/- (Rupees twenty five thousand only) in favour of “Morarji Desai National Institute of Yoga” through Bank Draft/ Pay Order only
Date and time of opening of bid document	05.02.2020 at 02.30 PM

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**Terms and Conditions are mentioned below:**

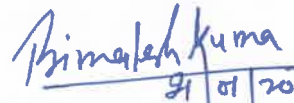
1. **The Sealed quotations with the EMD amounting to Rs.25,000/- (Rupees twenty five thousand only) in favour of "Morarji Desai National Institute of Yoga" through Bank Draft/Pay Order only, with supporting self attested documents in one envelope will be submitted addressed to the Director, Morarji Desai National Institute of Yoga (MDNIY), super scribing on the top of envelop as "Quotation for supply of Physiology, Anatomy and Biochemistry Items", should reach this office latest by 05.02.2020 up to 02.00 pm.**
2. The quotations will be opened on the same date i.e. **05.02.2020 at 02.30 pm** in the presence of the bidder(s) or their nominated/authorized representative, if present.
3. The supply of items should be as per specifications quoted by the firm with good quality of items. If quality of the items found defective, the responsibility lies with the firm. MDNIY will not bear any responsibility for the payment partly or fully.
4. The rates should be inclusive of delivery charges.
5. Quotations received after closing date and time will not be entertained
6. **The bidder shall submit the quotation letter against items mentioned above, with EMD, with all documents (self attested) without which the quotation will not be entertained and considered.**
7. The firm which has quoted the lowest rates and are successful in getting the award letter but are unable to accept the contract due to any reason, their EMD will stand forfeited.
8. **The quantity mentioned against each item may be increased/decreased as may be decided by MDNIY.**
9. If the delivered item(s) is/or found to be defective or not as per specifications the same shall be returned and replaced at the firms cost & no payment will be made by MDNIY for such replacement.

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10. **The most important and critical part and essence of the contract and issue of award letter to the successful bidder(s) is the timely delivery and installation, within 10 days from the date of placing confirmed work order, as ordered, within the scheduled date and time.**
11. EMD of the successful bidder shall be kept during the currency period to safeguard the interest of the Govt. to ensure that the supplier supply the good quality items un-interrupted ordered by MDNIY. The EMD shall be refunded to the bidder after 60 days of the completion of contract period.
12. MDNIY has a full right to withdraw the Tender at any time without assigning any reason thereof.
13. The payment will be made as per Govt. Rules and Procedure, after successful installation of the equipments.
14. The institute reserves the right to accept or reject any quotation without assigning any reason thereof.
15. All the disputes shall be subject to Delhi Jurisdiction only.

Yours faithfully

  
21/01/2020

(Bimalesh Kumar)  
Administrative Officer  
for Director



**TECHNICAL SPECIFICATION FOR BIOCHEMISTRY, ANATOMY AND  
PHYSIOLOGY INSTRUMENTS**

Sl. No.	Name of Instruments	Required quantity
01	Stadiometer	01
02	Anthropometer	05
03	Skin fold caliper	05
04	Hand Grip dynamometer	02
05	Back and leg muscle strength dynamometer	02
06	Spirometer (With water drum )	03
07	Bio – Impedance analyzer / Body Composition analyser	01
08	Physiological data recording system	01
09	Metronome	05
10	Measuring tape (60 inch)	10

**TECHNICAL SPECIFICATION OF INSTRUMENTS**

**1. Name of Instrument:** Stadiometer.

**Specification:**

- Capacities to weight approximate 180 Kg to approximate 250 kg.
- Capacity to measure height approximate 180 cm to approximate 250 cm
- Digital display
- Battery powered. Adapter for use in power supply.
- Mechanical height Rod
- Platform dimension approximate 15 - 25" x 15 - 20" (LxW)
- Warranty period not less than 3 year.

**2. Name of Instrument:** Anthropometer.

**Specification:**

- To measure height, Chest girth in centimetre and mm scale.
- Steel body in more than 03 parts.
- Length (approximate 10 to more than 2000 mm)
- Scale in millimeter (Accurate to 1.0 mm)
- Carrying bag

**3. Name of Instrument:** Skin Fold calliper.

**Specification:**

- Skin folds Calliper to assess degree of fatness of adults.
- Girth measurement of small joints.
- Jaw opening to measurement 60 mm or above.
- Accurate to 1.0 mm.
- Light weight
- Carrying case.

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**4. Name of Instrument:** Hand grip dynamometer.

**Specification:**

- Measures isometric grip force and strength
- Adjustable handle allows to quantify grip strength for different sized objects, accommodates small and large hands.
- Aneroid dial display
- Measuring range not less than 80 kgf.
- Power source: Battery powered
- Weight: approximate 500gm to approximate 1.0 Kg
- Carrying case

**5. Name of Instrument:** Back and leg muscle strength dynamometer.

**Specification:**

- The unit can be used to measure strength of muscles of the back, leg and chest.
- The measurement base must provide secure footing.
- Chain length must be adjusted to accommodate for height differences or to vary the point of force application.
- Digital reading.
- The strength reading can be viewed as kilograms.
- Battery powered.


**6. Name of Instrument:** Spirometer (with water drum).

**Specification:**

- To measure lung function.
- Ideal for student use in the practical laboratory
- Water – seal spirometer
- Approximate 6 to 9litre capacity for recording the largest vital capacities
- Stainless steel bell

**7. Name of Instrument:** Bio – impedance analyser. Body composition analyser.

**Specification:**

- Impedance Analysis method of measurement
  - Parameters must compute: Body Fat %, Target Body, Basal Metabolic Rate, lean mass.
  - Printer results must be printed.
  - Patient cable, sensor pad electrodes, and user's guide included.
  - Measure patient in standing condition.
  - Warranty 03 years
  - ECG or other form of electrode.
  - Software windows 7 and above for analysis and external print out.
  - ISO and calibration certificates must include.
  - Power supply 220V/ battery powered.
  - Color TFT touch LCD/LED display
  - External interface via USB / Ethernet
  - Battery charger, carrying case
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**8. Name of Instrument:** Physiological data recording system.

**Specification:**

- Student physiograph with minimum 08 channels to measure ECG, EMG.
- Battery operated of recording side with full electrical isolation. Rechargeable cord. Power
- Rechargeable Battery – continuous operation. /Also run on continuous power supply.
- Noise: less than approximate  $30\mu\text{V}$  for ECG and EMG
- Frequency response: approximate 0.05Hz to approximate 100Hz for ECG
- Frequency response: approximate 10Hz to approximate 400Hz. For EMG
- Bipolar electrodes / other form of electrode
- Runs on computers with Microsoft Windows 7 and above
- Real-time display of data during recording
- Event marker
- Synchronous digital output with event marker
- Offline digital Filtering
- Data conversion to ASCII for use in other software
- Spike Detection and Spike Rate calculation (can be adapted for Heart Rate Variability analysis)
- Data can be exported for use with other software
- Data can be exported for print.

**9. Name of Instrument:** Metronome.

**Specification:**

- Mechanical Metronome (No battery required)
- Variable tempo from approx. 40 to approx. 200
- Plastic or metal body

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**Financial Bid****ANATOMY AND PHYSIOLOGY INSTRUMENTS**

<b>Sl. No.</b>	<b>Name of Instruments</b>	<b>Amount (each)</b>	<b>GST, if any</b>
01	Stadiometer		
02	Anthropometer		
03	Skin fold caliper		
04	Hand Grip dynamometer		
05	Back and leg muscle strength dynamometer		
06	Spirometer (With water drum )		
07	Bio - Impedance analyzer / Body Composition analyser		
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Signature with Seal

