

Date: 06 / 10 /2021

**NIQ No: AIIMS/MG/Procurement/06/Anthropological Instruments Set**  
**Sub: - “NIQ for supply of Anthropological Instruments Set” for Forensic Medicine and Toxicology Department, AIIMS Mangalagiri.**

**Notice Inviting Quotations**

On behalf of The Director, AIIMS Mangalagiri invites Quotations with price bid and other documents from eligible Manufacturers/ Firms/ Companies/ Authorized Agents/ Distributors/ Dealers/ Supplier Agencies for “**Supply of Anthropological Instruments set**” for **Forensic Medicine and Toxicology Department, AIIMS Mangalagiri**, as per specified terms and conditions.

**Schedule of Requirement:-**

S.No	Description of items	Specifications	Required Quantity
1.	Anthropological Instruments Set	As detailed below	1 Set

**Specifications of Anthropological Instruments Set**

Anthropological Instruments Set should comprise of

1. Anthropometer rods Set
2. Osteometric table
3. Bone Support complete with clamp
4. Chest Depth Caliper
5. Colleyer Breadth Caliper
6. Cubic Craniophore
7. Diagraph (Martin Type)
8. Goniometer attachable (0-180 Degree)
9. Goniometer attachable (0-360 Degree)
10. Gulick Anthropometric Tape
11. Horizontal Tracing Needle (300 mm & 450 mm)
12. Mandibulometer
13. Mollision Craniophore
14. Orbitometer
15. Rectangular Diapetrograph
16. Sliding caliper (Martin Type)
17. Sliding caliper (Poech Type)
18. Sliding caliper (Digital type)
19. Spreading caliper with pointed ends (0-300 mm)
20. Spreading caliper with pointed ends (0-600 mm)
21. Spreading caliper with rounded ends (0-300 mm)
22. Spreading caliper with rounded ends (0-600 mm)
23. Tubular Craniophore (Martin Type)

## SPECIFICATIONS

### **1. Anthropometer rods set**

- a) Anthropometric rods should be made of brass.
- b) Chromium plated brass rods with smooth finish, movement and clear markings.
- c) Should be packed in wooden box
- d) These are used for vertical and horizontal measurement consisting of a set of four long and two small rods.
- e) Four rods are attached at exclusive points to become a single rod to measure up to 200cm lengthwise.
- f) Two small rods facilitate to clamp & measure width wise at the same time up to 25cm

### **2. Osteometric board**

- a) Should be made of aluminium.
- b) Should measure up to a length of 2 feet.
- c) Updated design features laser etched scale eliminating any chance of corrosion.
- d) The base is constructed of 2 3/8" thick machined aluminum plates which are connected using a stainless steel continuous hinge bolted with stainless steel screws for maximum durability.
- e) Carrying case should be included.

### **3. Bone support complete with clamp**

- a) Should be made of stainless steel and easily adjustable.

### **4. Chest Depth caliper**

- a) Should be made of aluminium with range of 0-60cm with 2 cm graduations.

### **5. Colleyer Breadth Caliper**

- a) Should be made of brass.
- b) 15 inch scale is marked in both inches and centimeters.

### **6. Cubic Craniophor**

- a) Should be made of brass with skull holder.
- b) Weight-approx 2.5 Kg.
- c) Length of each side is 30cm.
- d) There is an extended arm on one side of it which can hold a skull tightly at the centre of the cube.

### **7. Diagraph (Martine Type) with pencil holder**

- a) It should be made of stainless steel/brass.
- b) It has a vertical-graduated bar fixed on a heavy base.
- c) Two horizontal needles are fitted with this bar.
- d) The lower one carries a pencil-holder.
- e) The upper one is curved and pointed which can be moved upwards and downwards.

### **8. Goniometer attachable (0-180 Degree)**

- a) Should be made up of brass.
- b) Chrome plated.
- c) Consists of a movable needle, placed on a heavy base and attached to a protractor.
- d) A slot exists on the back of the protractor, into which an arrangement of a spring again attaches the instrument with a sliding or spreading caliper.

**9. Goniometer attachable (0-360 Degree)**

- a) Should be made up of brass.
- b) Chrome plated.
- c) Consists of a movable needle, placed on a heavy base and attached to a protractor.
- d) A slot exists on the back of the protractor, into which an arrangement of a spring again attaches the instrument with a sliding or spreading caliper.

**10. Gulick Anthropometric Tape**

- a) Should be made of plastic
- b) Half inch size
- c) Length of 60 inches
- d) Both reading (inches and centimeters) should be there.
- e) Spring attachment for constant tension & precision.

**11. (I) Horizontal tracing needle 300mm**

- a) Should be made of stainless steel/brass
- b) Weight 750 grams

**11. (II). Horizontal tracing needle 450mm**

- a) Should be made of stainless steel/brass
- b) Weight 750 grams

**12 . Mandibulometer**

- a) Made of brass
- b) It has horizontal and vertical movable plates.
- c) Both plates have scale attachment for measurement.
- d) Protractor is fixed at side to note angles.
- e) Weight: 1.5 Kg

**13. Mollision Craniophore with auricular head spanner.**

- a) Made of brass
- b) It consists in three vertical metal tubes, connected together and each one has at its upper end, horizontal and movable slide.
- c) Measuring range approximately 200 mm – 500 mm.
- d) Net weight: 1.800 kg

**14. Orbitometer**

- a) Made of brass
- b) Weight 15gm.

**15. Rectangular Diapetrograph (Martin Type)**

- a) Should be made up of brass metal.

**16. Sliding Caliper (Martin Type)**

- a) Should be made of brass.
- b) Length 0-200mm, Depth 0-50mm
- c) Chrome plated.
- d) In box

**17. Sliding Caliper (Poech type)**

- a) Should be made of brass.
- b) Range 0-250 mm/0-140mm.
- c) Chrome plated in box.
- d) The reading is carried out within the window of the cursor.
- e) Accuracy 1/10 mm with vernier.
- f) Net weight: 0.285 kg

**18. Sliding Caliper (Digital type)**

- a) Made of hardened Stainless Steel.
- b) Jaw Type: Type A - With jaws on both sides for external and internal measurements.
- c) Jaw Length: 150 mm
- d) External Measurement Range (mm): 0-300
- e) Length of Faces (Knife edge ) for Internal measurement: 35 mm
- f) Dimensions: 200X180X150 (mm)
- g) LED display
- h) Display digit Size: 18 mm
- i) Number of Digits in Display: 3
- j) Alkaline Batteries (Non-Rechargeable)
- k) Weight: 420 grams
- l) Carrying case

**19. Spreading Caliper with rounded ends (0-300 mm)**

- a) Made of chrome plated steel.
- b) The ends of the spreading branches are rounded for the patient's comfort (no sharp edges)
- c) Hinged at the base, the two curved branches with rounded ends are connected by a pivotal ruler, which is engraved in millimeter intervals from 0 to 30 cm.
- d) The branches can be immobilized in any position by a screw located on the slider which guides the ruler.
- e) The ruler gives the precise distance between the two points over which the measurement has been taken.
- f) Measuring range - millimeters: 0 mm to 300 mm

**20. Spreading Caliper with rounded ends (0-600 mm)**

- a) Made of chrome plated steel.
- b) The ends of the spreading branches are rounded for the patient's comfort (no sharp edges)
- c) Hinged at the base, the two curved branches with rounded ends are connected by a pivotal ruler, which is engraved in millimeter intervals from 0 to 60 cm.
- d) The branches can be immobilized in any position by a screw located on the slider which guides the ruler.
- e) The ruler gives the precise distance between the two points over which the measurement has been taken.
- f) Measuring range - millimeters: 0 mm to 600 mm

**21. Spreading Caliper with pointed ends (0-300 mm)**

- a) Made of chrome plated steel.
- b) The ends of the spreading branches are pointed
- c) Hinged at the base, the two curved branches with rounded ends are connected by a pivotal ruler, which is engraved in millimeter intervals from 0 to 30 cm.
- d) The branches can be immobilized in any position by a screw located on the slider which guides the ruler.
- e) The ruler gives the precise distance between the two points over which the measurement has been taken.
- f) Measuring range - millimeters: 0 mm to 300 mm

**22. Spreading Caliper with rounded ends (0-600 mm)**

- a) Made of chrome plated steel.
- b) The ends of the spreading branches are pointed.
- c) Hinged at the base, the two curved branches with rounded ends are connected by a pivotal ruler, which is engraved in millimeter intervals from 0 to 60 cm.
- d) The branches can be immobilized in any position by a screw located on the slider which guides the ruler.
- e) The ruler gives the precise distance between the two points over which the measurement has been taken.
- f) Measuring range - millimeters: 0 mm to 600 mm
- g) Weight: 0.24 kg

**23. Tubular Craniophore (Martin Type)**

- a) Should be made of brass with skull holder.
- b) Weight-approx 2.5 Kg.

#### 4. Technical Bid Documents:-

All the documents mentioned below are mandatory and are to be placed in the Technical Bid Envelope .They should be duly signed and pages numbered.

a) **Undertaking for acceptance of Terms & Conditions of AIIMS Mangalagiri** against the NIQ should be printed on the Official Letter Head of participating Bidder Company, duly signed and Stamped and accompanied with Technical Bid Document as per **Format given at Annexure-II**.

b) **Copy of Certificates/Standards for confirming the Quality of Supplied product:** The quoted Item/Items should have applicable quality mark such as *ISI/BIS/ISO 9002* for Quality assurance in Production and its utmost safety compliance for use in patient care should be mentioned and the copy of such applicable certification must be enclosed with the Technical Bid.

c) Purchase Order / RC Copy from INI such as AIIMS Delhi, PGI Chandigarh, JIPMER, SGPGIMS, RML, State Government and Prominent Private Organizations, for the rates reasonability for the earlier supplied items, in the last financial years, if any.

d) **Authorization Certificate:** The name and address with the complete email ID and the validity period of the Authorization Certificate, if any, needs to be mentioned.

e) **Fall clause:** If at any time during the period of contract, the price of this NIQ items is reduced or brought down by any law or Act of the Central or State Government, the supplier shall be bound to inform the Purchasing Authority immediately about such reduction in the contracted prices. In case the supplier fails to notify or fails to agree for such reduction of rates, the Purchasing Authority will have the right to revise the rates on lower side. If there is a price increase for any product after quoting the rates, the bidders have to supply the item as per the quoted rates.

f) **Delivery period:** Delivery period of the items shall be **15 days** from the issue of supply order. The period of delivery has to be strictly followed by the Supplier Agency as communicated through Purchase/Supply Order.

g) **Penalty:** Penalty @ **0.50% per week** will levied for late delivery on supply order value of the item and will be deducted from the payment Bill. The maximum penalty will be **10 %** of total value against any of Purchase/Supply Order total value.

h) **Warranty Period:** Should be clearly mentioned in the quotation as per the OEM or company Norms.

## 5. Financial Bid Documents:-

- a) **Price Basics:** Unit base price should be inclusive of GST and all applicable expenses up to F.O.R (Freight on road) at AIIMS Mangalagiri.
- b) **Price Validity:** The quoted prices should remain valid for a period of **180 days** from date opening of NIQ.
- c) **Price Quotation Format:** Price should be quoted in the “Financial Bid” format given at **Annexure-I** strictly by the vendor.

Both the Technical Bid envelope and Financial Bid envelope should be kept in another bigger outer envelope superscripted as “**Supply of Anthropological Instruments Set for Forensic Medicine and Toxicology Department, AIIMS Mangalagiri**” in sealed condition for the supply of item/items detailed in the Schedule of Requirement. All quotations should be type written or written with indelible ink, duly signed, stamped and pages numbered. Over written and erased entries will not be considered and treated as deleted entries.

The duly sealed and super scribed Quotations should reach **The O/o AO (Procurement), 4<sup>th</sup> Floor, Nursing College Building, AIIMS Mangalagiri, Guntur-522503 by 15:00 hrs on 20 / 10 /2021**

**AO (Procurement)  
For and on behalf of Director  
AIIMS, Mangalagiri.**

**Annexure-I**

**Financial Bid (Price Quotation)**

(Strictly in the format given below in a sealed Envelope to be typed in the Letter head of the Supplier Agency and superscripted at “Financial Bid”)

“NIQ for supply of Anthropological Instruments Set” for Forensic Medicine and Toxicology Department, AIIMS Mangalagiri.

Quotation Reference No: - AIIMS/MG/Procurement/06/Anthropological Instruments Set

Dated: ...../...../2021

S. No	Description of Item with its required Technical Specifications	Required Quantity	Brand/Cat No./HSN Code	Price per unit in Rs.	GST%	Unit Rate Including GST in Rs.	Total price of Required Quantity (In ₹)
1	2	3	4	5	6	7	8=(3*7)
	<b>Anthropological Instruments Set</b> (Specifications are mentioned at page no. 1 to 5)	1 Set					
<b>Total Price in Rs.</b>							
<b>Other Charges (if any) in Rs.</b>							
<b>Grand Total in Rs.</b>							

Name(s) & Signature of the Bidder with Stamp/Seal

Name of the Firm

.....

Address of the firm

.....

GST No.....

Contact Details: Cell No. ....

Email Id: .....

Authorized Signatory:

.....



**Annexure-II**

**Undertaking for Acceptance of Terms & Conditions of AIIMS Mangalagiri**

**“NIQ for supply of Anthropological Instruments Set” for Forensic Medicine and Toxicology Department, AIIMS Mangalagiri**

**To**

**The Director,  
AIIMS Mangalagiri,  
Andhra Pradesh.**

**Sir,**

1. The undersigned hereby certifies that I have gone through the terms and conditions mentioned in the NIQ document and undertake to comply with them. I have No Objection to any of the content of this NIQ document and I undertake not to submit any complaint/ representation against the NIQ after submission date and time of the NIQ. The rates quoted by me/us are valid and binding on me/us for acceptance till 180 days after opening of bid.
2. I/We undersigned hereby bind myself/ourselves to ALL INDIA INSTITUTE OF MEDICAL SCIENCES MANGALAGIRI ANDHRA PRADESH, to supply the approved awarded Consumables/Equipment/Instruments/Apparatus/items at approved prices to AIIMS Mangalagiri during the period.
3. The Items shall be of the best quality and of the kind as per the requirement of the institution. The decision of the Director, AIIMS Mangalagiri, India (hereinafter called the said officer) with regards to the quality and kind of items shall be final and binding on me.
4. Should the said officer deem it necessary to change any article on being found of inferior quality, it shall be replaced by me/us free of cost in time to prevent inconvenience.
5. I/We hereby undertake to supply the items during the validity of this NIQ as per directions given in supply order within stipulated period positively.
6. I/We undertake to supply the Consumables/equipment/stores within 15 days and if I/We fail to supply the order during the stipulated period, necessary action can be taken by the Director, AIIMS Mangalagiri, India; and AIIMS Mangalagiri has full power to compound the loss through imposing penalty as per the Terms and Condition of this NIQ or forfeit the Bid Security/security deposit.

7. I/We undertake that if the rates of any items are lowered due to any reason, I will charge the lower rates. I/We undertake that the rates quoted by me when approved and selected by the Director, AIIMS Mangalagiri will be valid for one year from the date of approval of the rate contract.

8. I/ We undertake that the quoted rates are not higher than that approved in any other Govt. Institutions in India for the same items during the current financial year.

9. I/we do hereby confirm that the prices/rates quoted are fixed and are at par with the prices quoted by me/us to any other Govt. of India/Govt. Hospitals/Medical Institutions/PSUs. I/we also offer to supply the Consumables/Equipment/stores at the prices and rates not exceeding those mentioned in the price bid or MRP in any condition.

10. I/We undertake that the items supplied are as per Demonstration/Catalogue/technical literature description submitted along with Technical Bid.

11. I/We declare that no legal/financial irregularities are pending against the proprietor/partner of the Supplier Agency or manufacturer.

**Signature of the Supplier Agency Authorized Signatory with seal of the firm**

**(Authorized Signatory)**

Place .....

**Affirmation**

I pledge and solemnly affirm that the information submitted in this NIQ Document is true to the best of my knowledge and belief. I further pledge and solemnly affirm that nothing has been concealed by me and if anything adverse comes to the notice of purchaser during the validity period The Director, All India Institute of Medical Sciences, Mangalagiri (A.P.) will have full authority to take appropriate action as he/she may deem fit.

**Signature of the Supplier Agency Authorized Signatory with seal of the firm**

**(Authorized Signatory)**

Place .....

Date