

# कार्यालय महानिदेशक, चिकित्सा एवं स्वास्थ्य सेवायें, उ०प्र० लखनऊ ।

(सी०एम०एस०डी०, अनुभाग-८)

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संख्या:-८फ / क्यू०सी०-७८६ / १८०७

लखनऊ: दिनांक: ३० जून, २०१६

## संशोधित निविदा सूचना

महानिदेशालय पत्र संख्या-८फ / क्यू०सी०-७८६ / १४३०, दिनांक १४.०६.२०१६ द्वारा प्रदेश ५५ राजकीय चिकित्सालयों में आर्थोपेडिक विभाग के सुदृढीकरण हेतु उपकरणों की आपूर्ति/स्थापना कराये जाने हेतु निविदायें आमंत्रित की गयी थी।

उक्त निविदा में निविदा की शर्तों में निम्नलिखित बिन्दुओं को निविदा प्रपत्र के **Section III-Special Conditions of Contract** में सम्मिलित किया जाता है :-

- 1. Equipment should have brand name / model number embossed/ etched on the equipment.**
- 2. All the technical specifications accepted in the compliance statement must be supported by Original Literature from the firm/ O.E.M with Highlighting, Numbering & flagging.**
- 3. Bidder should submit the technical bid (original & duplicate) in spiral binding otherwise it will be rejected.**

उक्त निविदा के अंतर्गत निम्नलिखित उपकरणों के मानकों को निम्नवत् संशोधित किया जाता है :-

### General Specification Conditions for All instruments

- 1- The instruments must be made out of Stainless Steel grade AISI 421/431/440.**
- 2- Instrument must be plasma coated for longer life.**
- 3- Cutting instruments should be Tungsten coated.**

### 1- General Orthopedic Surgery Set

#### **General Instruments Sets for Orthopedic Surgery**

|   |                      |
|---|----------------------|
| S/C Bone Holding Forceps                | 150MM, 190MM, 240MM  |
| Patella Forceps 175MM                   |                      |
| Reduction Forceps Serr.                 | 140MM, 180MM, 240MM  |
| Reduction Forceps Pointed               | 140MM, 180MM, 240MM  |
| Bone Nibbler D/A 190MM, 225MM STR./CVD. |                      |
| Bone Cutting Forceps 190MM STR./CV2     |                      |
| Gigli Saw Wire                          |                      |
| Gigli Saw Introducer                    |                      |
| Gigli Saw Handle                        |                      |
| Periosteum Elevator with Fiber Handle   | (Diff. Sizes)        |
| Osteotome STR.SS Handle                 | (10,20 mm)           |
| Chissel STR SS Handle                   | (10,20 mm)           |
| Gouge CVD S.S. Handle                   | (5,10,15,20,25mm)    |
| Kocher Bone Hook                        | Small/ Medium/ Large |

Volkman Curette D/E S/M/L

Lane's Bone Lever Medium/ Large

Skin Hook one prong

Self Retaining Retractor Medium

Hofmann's Retractor (Diff. Sizes)

Plate Bender Pair Large

Universal Bone Drill with Chuck & key

Hammer with fiber handle 225 Gms., 450Gms

Esmarch Tourniquet 3", 4", 5", 6"

Small Bending Iron (Pair)

Plate Bending Press

### **K Wire & Steinman Pin Instrument Set**

Wire Cutter cum Piler

Nose Piler cum Wire Bender

Wire Holding Forcep

Wire Tightner

T' Handle with chuck

Tip Wire Cutter

### **Plaster Cutting Instruments set**

Lorenz plaster Shears

Plaster Cast Spreader

Plaster Knife

Plaster Saw With Aluminum Handle

Plaster Cutting Scissors

Plaster Bender Small 7"

Plaster Bender Big 10 1/2"

Plaster Cutting Saw- Electric

- **Instrument set should be USFDA or EUROPEAN CE Approved.**
- **Manufacturer or supplier should have ISO-13485 certification.**

**2-Inter Locking Set of Tibia, Femur, Radius & Humerous**  
**Instrument Set for Tibia/ Femur**  
**Interlocking Nail**

Threaded Bolt

Introducer (Hammer Unit)

Jig

Extractor Rod

Round Hammer

Protection Sleeve

Drill Sleeve For 3.2 mm Drill

Drill Sleeve For 4.0 mm Drill

Pointer

T-Handle (Wrench)

Spanner Ordinary (2 Nos.)

Screw Driver For 4.5mm Hex

Guide Wire 2.5mm 40' Long

Guide Wire 3mm 40' Long

Guide Wire Bided 3mm 40' Long

S.S. Box with Screw Tray For Nail & Instrument

Drill Bits 3.2 mm Extra Long 8'

Drill Bits 4 mm Extra Long 8'

Depth Gauge Long

Bone Awl Diamond Pointed

Tissue Protector

- **Instrument set should be USFDA or EUROPEAN CE Approved.**
- **Manufacturer or supplier should have ISO-13485 certification.**

### **3-DHS Set**

## **Instrument & Implant set for Dynamic Hip Screw**

Guide Pin with Threaded End

D.H.S. Angle Guide 135°

Wrench for D.H.S. Screw

D.H.S. Triple Reamer

Impactor

Tap for D.H.S. Screw

Coupling Screw for Plate Insertion

Coupling Screw for Screw Removal

Quick Coupling Handle

Reverse Measuring Device

Centring Sleeve for Tap

Centring Sleeve for Wrench

Container with S.S. Trays

D.C.S. Angle Guide 95°

D.C.S. Triple Reamer

- **Instrument set should be USFDA or EUROPEAN CE Approved.**
- **Manufacturer or supplier should have ISO-13485 certification.**

## 4- Prosthesis Set

### **Hip prosthesis:**

Charnley Self retaining retractor

Rasp for Austin moore

Rasp for Thompson

Rasp for biploar

Moore hollow chisel

Murphy lane bone skid

Jugdet auger extractor

Hook extractor

Measuring Gauge

Golden reamer

Acetabulum reamer

Flexible drill bits

flexible screw driver

Impactor for stem

Neck cutting guide

Impactor-nylon faced

### **Knee Prostheses**

Perforator

Femoral, tibia cutting and patellar zig

Mallets

Pins

Bone saw

- **Instrument set should be USFDA or EUROPEAN CE Approved.**
- **Manufacturer or supplier should have ISO-13485 certification.**

## 5-Plating Set

| <b>Small Fragment Instrument Set</b>                         |  |           |
|--|--|-----------|
| Container  |  |           |
| Drill Bit Q.C. 2.5mm   |  |           |
| Drill Bit Q.C. 3.5mm   |  |           |
| Small Countersink, Tip 2.0mm                                 |  |           |
| Tap Q.C. - 3.5mm x 1.25mm                                    |  |           |
| Tap Q.C. - 3.5mm x 1.5mm                                     |  |           |
| T' Handle Q.C.   |  |           |
| Double Drill Sleeve 3.5mm/2.5mm                              |  |           |
| Drill Guide & Drill Sleeve (2mm)                             |  |           |
| Tap Sleeve/ Drill Sleeve 3.5mm/ 2.7mm                        |  |           |
| DCP Load & Neutral Drill Guide 2.5mm (For 3.5mm Screws)      |  |           |
| Hex Screwdriver with fiber handle 2.5A/F                     |  |           |
| Hex Screwdriver Q.C. 2.5A/F                                  |  |           |
| Depth Gauge for Small Screws Stainless Steel                 |  |           |
| Sharp Hooks  |  |           |
| Screw Forceps  |  |           |
| Bending Iron For Small Plates                                |  |           |
| Bending Iron For large Plates                                |  |           |
| Bending Iron for Finger Plates                               |  |           |
| Template for contouring plates Small DCP/LCDCP               |  | 5H x 63mm |
| Template for contouring plates Small DCP/LCDCP               |  | 7H x 87mm |
| Self Centering Bone Holding Forceps for Small Fragment 190mm |  |           |
| Reduction Forceps with Point 130mm                           |  |           |
| Reduction Forceps extra Small 140mm                          |  |           |
| Retractor Short Narrow Tip, Small, Width 6mm                 |  |           |
| Retractor Short Narrow Tip, Small, Width 8mm                 |  |           |
| Retractor, Extra Long, for small fragment                    |  |           |

|  |   |             |
|--|---|-------------|
|  | Periosteum Elevator, Fiber Handle, curved, Straight Edge, Width 6mm |             |
|  | clips for Plates  |             |
|  | <b>Large Fragment Set</b>   |             |
|  | Container   |             |
|  | Drill Bit Q.C. 3.2MM  |             |
|  | Drill Bit Q.C. 4.5MM  |             |
|  | Large Countersink   |             |
|  | Tap Handle Q.C.   |             |
|  | Tap Q.C. - 4.5mm  |             |
|  | Tap Q.C. - 6.5mm  |             |
|  | Double Drill Sleeve 4.5mm/ 3.2mm                                    |             |
|  | Insert Drill Sleeve 4.5mm/ 3.2mm                                    |             |
|  | Double Drill Sleeve 6.5mm/ 3.2mm                                    |             |
|  | Hex Screwdriver with fiber handle 3.5A/F                            |             |
|  | Hex Screwdriver Q.C. 3.5A/F   |             |
|  | Depth Gauge for Large Screws Stainless Steel                        |             |
|  | Sharp Hook  |             |
|  | DCP Load & Neutral Drill Guide 3.2mm (For 4.5mm Screws)             |             |
|  | Universal Drill Guide for SS LCDCP, 4.5mm                           |             |
|  | SS LC-DCP Load & Neutral Drill Guide 3.2mm                          |             |
|  | Template for contouring plates Large DCP/LCDCP                      | 7H x 120mm  |
|  | Template for contouring plates Large DCP/LCDCP                      | 9H x 155mm  |
|  | Template for contouring plates Large DCP/LCDCP                      | 12H x 210mm |

- **Instrument set should be USFDA or EUROPEAN CE Approved.**
- **Manufacturer or supplier should have ISO-13485 certification.**

## **8- Specification of C-Arm with Table**

The unit should be high quality unit having the below mentioned specifications:

### **GENERATOR:**

It should be digital with feather touch controls.

It should be of high frequency with output of 3 KW and more with frequency of min 40 KHz.

The KV range should be from 40 to 120 KV in steps of 1 KV

The fluoroscopic mA should be up to 4.0 mA or more.

Radiographic mA up to 200 mAs or more.

The radiographic mA up to 70 mA or more.

Pulsed fluoroscopy should be possible.

The x-ray tube should be dual focus rotating anode. The focal spot of the tube should be 0.3mm and 0.6mm and anode heat storage capacity of 150 KHU or more.

The digital display of fluoro mA, KV, timer & radiography mAs should be provided and the display should be micro-controller based LCD Display

There should be independent selection of KV & mAs.

The control should have indicator for power on.

The control should show error with proper written message on LCD display for any overload, X-ray Tube heating or any fault in machine.

### **Image Intensifier, T.V., SYSTEM & MONITOR:**

The image intensifier should be of latest series.

It should be of 9" triple field (i.e. 9"/6"/4") with CCD Camera.

Grid on the entrance field with grid ratio 8:1 or more

2 nos. 17" TFT monitor should be supplied.

The monitor trolley should be provided for mounting 2 monitors and should have 2 shelf for keeping memory and stabilizer & isolation transformer.

### **C-ARM STAND:**

It should be ruggedly built and should be of good designed.

It should have steering for controlling back and front wheel movements.

It should also have the below mentioned movements:-

- Horizontal travel should be 210mm or more.
- Orbital movement should be 90+30 degrees or more.
- Panning movement should be +/- 12 degrees.
- Focus to I.I distance should be 950 mm or more.
- Vertical movement should be motorized of 450mm or more.
- Focus to I.I clearance should be 800mm.
- C-Arm rotation should be +/- 180 degrees.

### **IMAGE MEMORY & ESSENTIAL ACCESSORIES:**

Image memory of 100 frames permanent storage or better.

5 KVA stabilizer & isolation transformer to be provided.

It should run on 230 volts, 15 Amps.

8 (eight) nos. quality approved lead aprons to be provided.

8 Nos. of thyroid collar.

The quoted model should have AERB NOC or AERB Type approval.

Facility of USB Port for storage of image in pen drive.

### **C-ARM COMPATIBLE TABLE WITH COMPLETE SS ORTHO ATTACHMENT:**

Eccentric pillar all high grade SS covered Operating Table suitable for Orthopedic, Laparoscopic and General Surgery.

Should be C-ARM COMPATIBLE with electro-mechanical adjustments and along with complete SS orthopedic attachments.



An Operating table with 5 section radiolucent tabletop comprising of Head rest. Back section, Seat section with cut out and leg plate. Operating table should have remote controlled electro-mechanical adjustments for Different positioning and traction for lower limbs.

### **TECHINCAL SPECIFICATIONS**

Adjustment of all positions with hand operated remote control.

In case of Emergency or failure of remote, it should have a second remote option/Manual option on the column of the table.

Additional power backup with internal rechargeable batteries should be provided to handle emergency.

Radiolucent mattress for maximum C-arm Coverage.

Head Section and Leg Section Inter changeable to achieve various positions.

Provided with integrated body / kidney elevator though gear handle.

Should have mattress with anti-static cover and Anti-microbial agent incorporated.

### **Technical Data:**

Swivel castors with breaks, Height adjustment, Trendelenburg, Reverses Trendlenburg, Lateral either side, Leg Plate Down: 90 degree.

Should have Zero positioning of table top from any Trendelenburg/rev. Trendelenburg.

Head Rest tilting Up & Down, 90 degree.

Should have castor wheels for free mobility with floor lock to fix the table.

System Accessories, spares and consumables.

System as specified Standard Accessories.

Anesthetic Screen with clamp.

Body restraint strap with clamp.

Padded Shoulder support-02

Padded Leg support with swivel type clamp-02

Two padded arm rests.

Two Padded Lateral support.

Slide supports pair with clamps .

Headrest.

Infusion rod with clamp.

Knee crutches: pair with clamps.

Should be European CE (Notified Body) or USFDA approved product. The certificate is required to be attached for the both table and C-Arm.

Manufacturer should have ISO 13485 certification for Quality standards.

*निविदा की शेष नियम व शर्तें यथावत् रहेगी।*

(सुरेश चन्द्र)  
निदेशक (भण्डार)

संख्या:-8फ/क्यू0सी0-786/1808-10

तद्दिनांक।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

1. इ0 अवधेश रावत, एन.आई.सी. उ0प्र0 लखनऊ को इस आशय से प्रेषित कि निविदा की संशोधित सूचना को वेबसाइट :- [www.dghealth.up.nic.in](http://www.dghealth.up.nic.in) एवं [www.uphealth.up.nic.in](http://www.uphealth.up.nic.in) पर अपलोड करने का कष्ट करें।
2. संयुक्त निदेशक (मुख्यालय), स्वास्थ्य भवन, लखनऊ / नोटिस बोर्ड पर चस्पा हेतु।
3. प्रभारी, कम्प्यूटर सेल, कार्यालय, प्रमुख सचिव, चिकित्सा स्वास्थ्य एवं परिवार कल्याण, उ0प्र0 शासन।

(सुरेश चन्द्र)  
निदेशक (भण्डार)