

## **AMENDMENT – IV**

Dated: - 19.2.2014

**Subject:** Amendment to the tender Enquiry Document.

**Ref: Tender Enquiry No.:** HSCC/PUR/AIIMS/RAEBARELI/TEMP OPD/2014 Dated 24.01.2014

The pre-bid meeting for the referred tender enquiry was held on 30.1.2014. The following amendments are being incorporated in the referred tender enquiry document.

### **(1) Revised Specification for ITEM No. 2**

#### **HIGH FREQUENCY 300 MA X-RAY MACHINE**

High Frequency X – Ray machine suitable for general Radiography.

##### **X-Ray Generator**

High frequency X-ray Generator having Frequency of 20 KHz or more suitable for Radiography Should be provided.

Power Output of Generator should be 24 KW or more.

Radiography K range should be 40 to 110 KV or more.

mAs :- 200 mAs or more

Exposure time (Rad.) : 5 ms or less to 3 sec . With maximum number of steps.

##### **Control:**

A very compact, soft Touch Control Panel having following functions & indications should be provided. The panel can be supplied in Floor or Wall mount with Spill Proff design following features should be available on Control panel.

- Digital display of Kv & mAs
- KV increase & decrease switches
- KV or mAs increase & decrease switches
- Machine ON/OFF switch.
- Tube focal spot selection switch.
- Ready & X ray on switch with indicators.
- Bucky Selection switch.
- Self diagnostic programmed with indicators for :-
  - Earth fault error
  - Kv error
  - Filament error
  - Tube Thermal error.

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A dual action hand switch retractable cord should be provided if Radiation Protection of Operator.

### **X- Ray TUBE:-**

- One No. Dual focus Rotating Anode BEL / Toshiba / Imported X-ray tube thermally protected having focal spot 1 x 2mm sq
- Anode heat storage capacity of tube should be more than 100 KHU.
- One pair of H.V Cable as per site requirement.
- One no manual collimator with aluminium filter & for adjustment of exposure area.

### **Column Stand:**

- It should have floor to ceiling stand with vertical counter balanced travel.
- It should have 360° Rotation
- It should be provided one chest stand with machine.

### **Table:-**

- Five position manual tilt table having Bucky grid ratio of with 60 lines per inches should be provided.
- The Bucky tray should accept cassette up to 14" x 17" size.

### **Accessories:-**

- Three panel x ray protective barrier for operator with lead glass window in the control panel
- One pair of light lead apron for protection of operator.
- One Vertical Bucky.

### **Power requirement: -**

415 Volt AC Current, 50 H4 15 Amps (with line resist less then 0.4 ohms line regulation +/- 10%) 3 Phase should be available there.

### **Other terms & conditions:**

#### **Guarantee of machine**

- 2 years from the date of installation including tube.
- The product should be ISO or European CE Certified.
- The Unit should be Type approved from AERB.
- Minor electrical /civil work for functioning of the machine in the room if any will be the responsibility of the supplier.
- Demonstration may be taken if required.

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Bidders are requested to note the following amendment in the bid sale, submission and opening date of the Item Nos. 2, 13 & 14 of the aforesaid bid.

		<b>Revised Schedule</b>
1.	Last date and time for the sale of bid.	For Schedule No. 2,13 & 14 on 24.02.2014
2.	Last date & time for submission of bid.	For Schedule No. 2,13 & 14 on 24.02.2014 by 14.30 Hrs
3.	Techno – Commercial opening of bids.	For Schedule No. 2,13 & 14 on 24.02.2014 at 15.00 Hrs
4.	Venue of bid opening	HSCC (India) Ltd E-6 A, Block – E, Sector – 1, Noida (U.P) Ph No. 0120 – 2540153

**All other terms & conditions of bid document shall remain unchanged.**

**Dy. Secretary (PMSSY), MOHFW**