

Running Contract Details	
Equipment Name	X-ray Digital Fluoro Machine
Running Contract Valid Till	07-03-2020
Tender Ref No	KMSCL/EP/T262/1095/2017(R)
Tendered Quantity	6
Supplier Name	M/s Allengers Medical Systems Ltd.
GST No	03AABCA2332H1ZE
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
SCO-212-213-214 Sector 34 A Chandigarh-UT.160022	Contact Person	Sujith Babu
	Phone	
	Mobile No	9946618748
	Email	sujit.babu@allengers.net

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>X-ray Digital Fluoro Machine</b> <i>Model &amp; Make : MARS 40 / Allengers Medical Systems Ltd.</i>	6104000 Incl.GST :12%	450170	6554170
		<b>6104000</b>	<b>450170</b>	<b>6554170</b>

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>X-ray Digital Fluoro Machine</b>							
Labour	3,21,550.00	3,53,705.00	3,89,075.50	4,27,982.00	4,70,781.00	5,17,859.00	5,69,645.00
Comprehensive	6,43,100.00	7,07,410.00	7,78,151.00	8,55,966.00	9,41,562.00	10,35,719.00	11,39,290.00

### Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender

document).

2. The supplier shall submit performance security amounting to 5% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

### **Technical Specification**

#### **Equipment :X-ray Digital Fluoro Machine**

Digital Radiography/Fluoroscopy System with Flat Panel based Detector & Remote Controlled RF table)

High-powered RF (Radio/Fluoro) unit with Direct digital flat panel for various fluoroscopy and radiography examinations

1. X-RAY GENERATOR High frequency (40KHz) X -Ray generator

RATING:

POWER OUTPUT 40KW

MODES Radiography

Fluoroscopy

KV RANGE Radiography KV range: 40KV to 120KV.

Fluoroscopy KV range: 40KV to 120KV.

mA OUTPUT Radiography mA output: Up to 500mA

Fluoroscopy mA output: up to 5mA.

EXPOSURE TIME RANGE 1ms to 5 sec

RADIOGRAPHY mAs RANGE Up to 300mAs.

FLUOROSCOPY TIMER specify.

2. CONTROL PANEL

Touch Panel LCD with TFT Display having following functions & indications.

- Machine ON/OFF Switch.
- Digital Display of KV & mAs.
- KV & mAs increase and decrease switches.

- Manual and automatic brightness control system.
- Self diagnostic Programme with Indicators for Earth fault error, KV error, filament error & Tube's Thermal Overload.
- Preprogrammed parameters of human Anatomy Up to 200 programs.

A dual action hand switch with retractable cord for Radiation Protection of Operator.

### 3. X-RAY TUBE A Dual focus rotating anode X-Ray tube.

Focal spots:

- Small Focus: 0.6
- Large Focus: 1.2

Anode Heat Storage Capacity: 300KHU.

Collimator: Motorized collimator with auto shut off light.

### 4. TUBE STAND X-Ray tube mounted on RF Table tube stand.

Tube head rotation:  $\pm 90$ deg

### 5. H.V. CABLE One Pair of suitable length.

### 6. TABLE

Floor mounted, Remote controlled, motorized RF

table scratch resistant surface.

Table has soft start and stop.

- Tilt: Vertical  $+90^\circ$  to  $-30^\circ$  Trendelenberg.
- Table has automatic stop at Horizontal & Vertical position.
- Tube Longitudinal movement: 1000mm.
- Transverse movement of tabletop: 210mm.
- Tabletop longi sliding movement: 480mm.
- Dimension of tabletop is 2100mm x 600mm x 6mm.
- Compression cup travel: 300mm

Table accessories: 1No. Each Handgrip, Patient fixing belts (compression band).

### 7. DYNAMIC FLAT PANEL DETECTOR:

(Inbuilt in Remote controlled, motorized RF

Scintillator Cesium iodide (CsI)

Size of detector 40 x 40cm

Image matrix size 2048 x 2048 pixels

Pixel size 200µm.

A/D conversion 16bit

DQE 60%

## 8. IMAGE ACQUISITION SOFTWARE

Pulse Fluoroscopy Up to 4FPS

Dicom compatibility Fully compatible with 3.0 Dicom standard

Window adjustment Automatic & Manual

Post Image process Specify

Zoom Specify

Cine play Specify

Last image hold Automatic LIH

Measurement Analysis

Length

Angle

Area

9. MONITORS 2Nos. 19" Medical display monitors for live image.

10. POWER SUPPLY 3 Phase, 400Volts AC 50Hz with line resist less than 0.4 Ohms. Line Regulation  $\pm 10\%$ .