



Running Contract Details	
Equipment Name	X-Ray Machine 15 KW
Running Contract Valid Till	13-07-2024
Tender Ref No	KMSCL/EP/T417/148A/2021
Tendered Quantity	10
Supplier Name	M/s EPSILON HEALTHCARE SOLUTIONS PVT. LTD
GST No	08AACCE3607L1ZM
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	
P.NO. G-I-57 RIICO INDUSTRIAL AREA EXTENSION PHASE-IIIND BAGRU Jaipur-303007	Contact Person	Neeraj K. Sharma
	Phone	0141-2223773
	Mobile No	8239750555
	Email	neeraj.sharma@epsilonhealthcare.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	X-Ray Machine 15 KW <i>Model & Make : EP CORSA 15/Epsilon</i>	445737.6 Incl.GST :12%	32873.15	478610.75
2	Floating table	84000 Incl.GST :12%	6195	90195
3	Three fold X-ray protection barrier	32480 Incl.GST :12%	2395.4	34875.4
4	Light weight lead apron with thyroid gaurd	4480 Incl.GST :12%	330.4	4810.4
5	Gonad Shield	2016 Incl.GST :12%	148.68	2164.68
6	Light weight high speed cassette (15x 12)	4928 Incl.GST :12%	363.44	5291.44
7	Light weight high speed cassette (12 x 10)	3472 Incl.GST :12%	256.06	3728.06

Item-wise Price Details							
8	Light weight high speed cassette (10 x 8)	2464 Incl.GST :12%	181.72	2645.72			
9	Free standing chest stand and cone for skull X-rays	6160 Incl.GST :12%	454.3	6614.3			
10	X-ray View Box LED Double	10080 Incl.GST :12%	743.4	10823.4			
11	Suitable capacity stabilizer	50400 Incl.GST :12%	3717	54117			
		646217.6	47658.55	693876.15			
Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
X-Ray Machine 15 KW							
Labour	11,000.00	12,000.00	13,000.00	14,000.00	15,000.00	16,000.00	17,000.00
Comprehensive	25,000.00	25,000.00	29,000.00	29,000.00	33,000.00	33,000.00	36,000.00

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 3.00% 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 Machine 15 KW

Equipment Name: : X-Ray Machine - High frequency (15KW)

I. X-Ray Generator:

- a. High frequency X-Ray generator
- b. Inverter frequency – 20 KHz or more
- c. Output power 15KW or more
- d. KV Range – 40 to 125KVp
- e. mA range – up to 200 mA or more
- f. 150mA @ 100KV

- g. mAs range – 2 to 200 mAs
- h. Over Load Protection
- i. Digital Display

II. X-RAY TUBE

- a. Rotating anode
- b. Focal Spot : Small 1mm x 1mm, Large 2mm x 2mm.
- c. One pair of High tension cable (at least 8 meters)
- d. Collimator with full field illumination and angle indicator with auto shut off

III. Table

- a. The table should be horizontal floating type
- b. Bucky table with floating table top with immense flexibility and ease in positioning
- c. Table top positioning with release of electromagnetic brakes controlled with a foot operated lever
- d. Table Height – 75 cm ($\pm 5\%$)
- e. Table top – 218 x 80 cm ($\pm 10\%$)
- f. Table top should be made up of low radiation absorption, water proof material, stain free
- g. Longitudinal Travel: ± 40 cm ($\pm 2\%$)
- h. Transverse Travel : ± 12.5 cm ($\pm 2\%$)

- i. Electromagnetic locking of the table movement

IV. Bucky

- a. Grid 10:1, 60 lines / cm, focused at 100 to 120 cm / suitable range
- b. 50 cm travel; movement arrested by electromagnetic brakes
- c. Tube shall be centered to bucky in transverse direction eliminating need for positioning table for every exposure
- d. Suitable for cassettes in cm and inch formats and should be capable to accommodate 14"x17"

V. X-ray Ceiling Column/Floor Stand Model.

- a. Travel range: 195 cm ($\pm 10\%$); movement arrested with electromagnetic brakes
- b. Vertical travel: 135 cm ($\pm 10\%$); movement arrested with electromagnetic brakes
- c. Column rotation: 360°; from + 180° to -180° in 90° increments
- d. X-ray tube rotation: $\pm 180^\circ$; locks at 0° / +90° / -90°

VI. Others:

- a. The offer should be accompanied by original product data sheet/brochure of the product and AERB type approval certificate or valid No Objection Certificate (NOC) for the model offered. In case of NOC valid type approval certificate has to be submitted prior to submission of invoice for payments.
- b. QA test should be done free of cost during warranty period (once in every year) and yearly QA test shall be done in the CMC period (once in every year) also and the rates shall be included in the CMC offered. A copy of the report shall be sent to KMSCL.

VII. STANDARD ACCESSORIES

- a. Three fold X-ray protection barrier – 1 no.
- b. Light weight Radiation protection Apron of 0.5mm lead equivalence with Thyroid guard – 2 nos and Gonad shield – 1 no
- c. weight latest model cassettes with high speed screen 15x12 – 3 nos, 12x10 3 nos, 10x8 – 3 nos.
- d. Should be supplied with free schest stand and cone for skull x-rays.

VIII. Should be supplied with X-Ray view box (LED Type) Double-1 No.

IX. POWER SUPPLY REQUIREMENTS

- a) 380 to 440Vac, Three phase, 50/60 Hz.

X. SPECIFICATION OF RADIATION PROTECTION LEAD APRON.

- a) Should be AERB approved.
- b) Should be light weight 0.5mm lead equivalent.
- c) Should be hook and loop type (Velcro).

- d)Should be supplied along with thyroid guard.
- e)Heavy duty wall hanger should be supplied.

XI.SPECIFICATION FOR THREE FOLD LEAD PROTECTIVE BARRIER.

- a. Should be a threefold mobile lead protective barrier.
- b. Should be a mounted on heavy duty casters.
- c. Should have a viewing window size 8"x8" of 1.5 mm thick lead equivalence.
- d. The centre part should have 3 feet width and 6 feet height. The sides should be 1.5 feet width and 6 feet height.

XII.X- Ray Lobby (LED)-Double Film

- a. Should have double film size(14" x 17") capacities.
- b. The equipment should have high level of control luminance, without flicker, from a unit that is easy to clean and maintain.
- c. The X-Ray viewing screen illumination should dimmable LED of minimum 60000 hours life and shall works on single phase power supply.
- d. Should have minimum 10000 Lux output adjustable.
- e. Should have individual brightness & ON/OFF controls.
- f. The front panel diffuser should be of a glare free type.
- g. Should have clipless mechanism to hold & secure the X-Ray negative film when in use.
- h. LED Lamps should provide a uniform level of illumination across the entire front panel diffuser and should be controlled by electronic step-less dimming controls to provide flicker free dimming from maximum brightness to off.
- i. Individual light controls for each plates.
- j. Equipment shall be elegant & compact.
- k. Body should be made up of mild steel / Aluminum powder coated
- l. Should be grounded properly.

XIII.The equipment should be rodent proof. The supplier shall install the machine and undertake rodent proof activities during the warrantyperiod

XIV.Should be supplied with suitable capacity matching the power output of the machine with input voltage range of 360Vac to 450Vac automatic servo stabiliser.