KERALA MEDICAL SERVICES CORPORATION LTD
(A Government of Kerala Undertaking)
Thycaud P.O, Thiruvananthapuram - 14, Kerala.
Tel: 0471 - 2945600, 2337353, Fax: 0471 - 2945647
Email :ep.kmscl@kerala.gov.in
CIN: U24233KL200TSGC021616, PAN : AADCK4029M, GSTIN : 32AADCK4029M1ZK

Running Contract Details	
Equipment Name	C - Arm Mobile Image Intensifier system (Model A)
Running Contract Valid Till	17-10-2025
Tender Ref No	KMSCL/EP/T498/20A/2023
Tendered Quantity	15
Supplier Name	M/s Trivitron Healthcare Pvt Ltd
GST No	33AAACT9378H1Z1
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**	
No.15 Abhirmapuram IVth Street Chennai- 600018	Contact Person	Devdatta Wadekari, R. Balasubramanian
	Phone	
	Mobile No	08828991101,08291282826
	Email	devdatta.wadekar@trivitron.com, balasubramanian.r@trivitron.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	**C - Arm Mobile Image Intensifier system (Model A)** *Model & Make : Infinity/ Kiran Medical Systems*	2699999.68 Incl.GST :12%	199124.98	2899124.66
		2699999.68	**199124.98**	**2899124.66**

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	**4th Year**	**5th Year**	**6th Year**	**7th Year**	**8th Year**	**9th Year**	**10th Year**
C - Arm Mobile Image Intensifier system (Model A)							
Labour	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00	35,000.00
Comprehensive	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00

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 5.00% 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 :C - Arm Mobile Image Intensifier system (Model A)

Equipment: C Arm Mobile Image Intensifier System Model A

A. Should be a high-end C-arm compatible for all kind of clinical applications like Orthopedics, Urology, Gastroenterology, neurology, Radiology etc with internal PC
B. X-Ray Generator
    a. Type: High Frequency minimum 20 KHz.
    b. Fluoroscopy anode potential: 40 to 110Kvp (1Kvp step)
    c. Fluoroscopy mA range: Continuous Fluoroscopy mode: 0.5mA to 5mA
    d. Power: 2 KW
    e. Boost/Single image/Snapshoot up to 10mA.
    f. Pulsed fluoroscopy Mode: up to 10mA or better
    g. The maximum pulsed fluoroscopic frame rate shall be 15fps or better
C. X-Ray Tube
    a. Type: Stationary anode
    b. Focal spot: 0.6 and 1.5mm or better
D. IMAGE INTENSIFIER
    a. Input field size maximum 9”(Triple Field)
    b. Grid on the entrance field: circular grid.
E. TV CAMERA SYSTEM
    a. Type: CCD/CMOS with 1K x 1K pixels.
    b. Memory: Minimum 50,000 images non volatile memory
    c. Video Standard: DVI/HDMI
    d. The entire image clarity should be 1K X 1K matrix
F. TV monitor
    a. 19" HD LED medical grade monitor /23" Single LED medical grade monitor.
    b. One for LIH and one for memory display/ single monitor of at least 23” size with split screen for LIH and Memory display.
    c. Should have a viewing angle of 170 degree or more.
G. C-ARM CART
    a. SID: 880mm
    b. Orbital Travel: 130°(90/40).
    c. C-arm Pivotal rotation: ±180º or better
    d. Horizontal Travel: 200mm
    e. Vertical Travel: 400mm
    f. Panning Movement: ±12°.
    g. Depth of C-arm: 700mm
H. OTHER SPECIFICATONS

The unit should have the following facilities.

a. Automatic KV and mA technique selection and manual mode.

b. Cumulative exposure timer for fluoroscopy.
c. Should have image rotation and reversal without radiation
d. Iris collimation which adjusts automatically to the selection of Image Intensifier field size.
e. Should have at least 20cm distance between the focal spot and skin for radiation safety.
f. Two sets of sterile drape for the X-ray tube assembly, Image intensifier and C-arm and clips to hold the drape on the c-arm should be provided.
g. Universal cassette holder should be supplied.
h. Five lead aprons with thyroid guards, two lead free aprons with Thyroid guards and 6 goggles of reputed brand
i. The quoted model and tube should be AERB type approved. Relevant copies of the certificate should be attached with the bid.
j. Should have facility to export images to a flash memory (USB port).
k. In auto-mode, the KV rise time along with dose stabilization should be above 40KV/sec
l. Should have patient database management system.
m. Should have floor brakes.
n. Should have an emergency stop for the entire system.
o. Should have the technology to get a clear image in auto-mode even if the I.I field is covered less than 50% of the area.
p. C-arm movement should be fully counterbalanced in every position.
q. Should have laser targeting facility
r. The equipment should be DICOM Compatible.
s. Should be able to provide live output through external DVI out for navigation system integration.
t. S hould be provided with integrated DAP equipment meter for dose measurement as per AERB stipulations.

I. Power Requirements

a. Should be supplied with online UPS of suitable capacity with 30 minutes back up

J. Specification of 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

K. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US)/ STQC CB Certificate/ STQC S Certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/ test report shall be produced along with the technical bid

Note:

1. If CDSCO (Central Drugs Standard Control Organization) certification is required for the import and marketing of the equipment, then the same shall be submitted along with the technical bid
2. Warranty exclusions if any shall be discussed at the time of prebid meeting else the tender condition as per clause 6.31.20 shall prevail