



Running Contract Details	
Equipment Name	Mobile Cath Lab
Running Contract Valid Till	26-08-2024
Tender Ref No	KMSCL/EP/T416/1583/2021
Tendered Quantity	10
Supplier Name	M/s Bet Medical Pvt Ltd
GST No	33AAACB4421H1Z9
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	
B-1&B-2 1st Floor Malles Manor No 10 (Old No. 8-A) Periyar Road T Nagar Chennai-600017	Contact Person	Sivakumar
	Phone	
	Mobile No	9995824205
	Email	general@betmedical.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Mobile Cath Lab</b> <i>Model &amp; Make : Ziehm Vision RFD (Hybrid)/ Ziehm Imaging GmbH, Germany</i>	20720000 Incl.GST :12%	1528100	22248100
2	<b>UPS</b>	295000 Incl.GST :18%	20650	315650
3	<b>30 cm X 30 cm detector</b>	4130000 Incl.GST :18%	289100	4419100
		<b>25145000</b>	<b>1837850</b>	<b>26982850</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>Mobile Cath Lab</b>							
<b>Labour</b>	5,55,000.00	5,82,750.00	6,11,887.00	6,42,482.00	6,74,605.00	7,08,336.00	7,43,753.00
<b>Comprehensive</b>	12,95,000.00	13,59,750.00	14,27,737.00	14,99,124.00	15,74,080.00	16,52,785.00	17,35,424.00

## **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 :Mobile Cath Lab**

1. Powerful generator of at least 25 KW.
2. System should be capable of delivering high power up to 12 kVp.
3. Should have capable of Cine mode, continuous and pulse fluoro model separately.
4. Should have continuous fluoroscopy of at least 15 mA, pulse fluoroscopy of at least 250 mA and digital Cine mode of at least 250 mA for use on heavy patients.
5. The "C" should be capable of achieving steeper angulations, hence should have high immersion depth of 65 - 80 cm or better.
6. Vertical travel, horizontal travel, orbital rotation and angulation should be motorized.
7. System should have separate monitor trolley with either 2 Nos monitors for live and reference images or single monitor with double the resolution and capable of displaying both images side by side.
8. Should be capable of working at lower dose- Have minimum DQE of 70%.
9. System should have latest technology CMOS / Amorphous Silicon detector which has high efficiency at lower dose/ lower mA.
10. Acquisition to display resolution need to be 1.5K X 1.5K
11. Should have lesser scatter, hence should have minimum filter thickness of 6 mm Aluminium.
12. Should have rotating anode and high cooling rate of 80 KHU/ min and housing cooling rate of 100 KHU/ min or more for longer procedures involving high level fluoro and cine modes. System should have efficient cooling capacity for longer procedure. Hence Tube housing heat capacity should have at least min 5 MHU or more.
13. System should have DSA package with 1 - 25 frames per second, with remasking capability, road mapping, MSA and RSA.
14. Detector size need to be minimum of 20 x 20 cm.
15. Should have good image quality during different procedures – edge enhancement, metal enhancement options.
16. Capability to Zoom images during surgery / procedure without increasing dose.
17. Should have good image resolution, minimum of 3.5 lp/mm at full field.
18. Should have image storage of minimum 30,000 images.
19. Image transfer should be possible both with and without patient data.
20. The "C" should be of good ergonomics of minimum 77 cm free space.
21. Should be designed for advanced interventional and surgical procedures involving high flexible ergonomics. So the "C" should be fully Motorized with high Immersion depth.
22. Should have thumbnail viewing of reference images for easier selection of reference images during procedure.
23. Should have distance and angle measurement software for measurement during procedure.
24. Should have detailed dose summary of every procedure/ patient for developing best practices in radiation safety at work.
25. Should have DCM (digital cine mode) of minimum 30 FPS
26. The system should be supplied along with the cardiac workstation.
27. The workstation should come with a medical grade monitor.
28. The system should push patient details images and loops to the workstation on command.
29. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission and FDA (US) approval with 510(K) certificate. Copy of the certificate/ test report shall be produced along with the technical bid.

30. Should be supplied with suitable capacity UPS
31. Optional features (Need to be quoted separately) : 30 cm x 30 cm detector.
32. System must have anti - collision sensor as well as joystick to avoid unwarranted movements.