



Notice Inviting e-Tender

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Kolkata-700091**

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**Procurement of 4(Four) types of Medical Equipments for the Department of
Cardiology, Anamoy SSWH at Burdwan Medical College and Hospital
2nd call of Bid Reference No.: WBMSCL/NIT-405/2023; Dated-17.07.2023**

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-494/2023

Dated-22.08.2023

Amendment-I

REVISED TECHNICAL SPECIFICATION

Schedule-II

Intra Vascular Ultrasound with Integrated Fractional Flow Reserve (FFR) System

Full specification of IVUS with integrated FFR/DFR

1. Latest Generation HD Intra Vascular Ultrasound System Polaris 2.14/ **ACIST HDI** Windows 10 based version with additional Security features.
2. Monitor-SVGA LCD Monitor-Minimum 19".
3. Area & length measurements graphics in the cross-sectional and long view images.
4. ECG and Audio signals capturing enabled.
5. Ease to eyes by coloring IVUS images.
6. Sterile field control option.
7. **Compatibility with HD Coronary Catheter (60MHz), Standard Definition Coronary Catheter (40 MHz), Peripheral Catheter (30MHz) and Intra Cardiac Echo catheters (ICE9 MHz) or single Catheter for both Coronary and Peripheral with dual frequency 60 / 40 MHz**
8. FFR/DFR Compatible
9. Automated lumen and vessel measurement to aid in diagnosis and planning.
10. Dynamic review / **rapid view** feature (blood flow, plaque morphology, dissections, and

stent apposition)

11. Long view and cross-sectional imaging.
12. Coronary IVUS catheter with single Rotating/Mechanical transducer driven by a flexible drive cable with minimum 40 MHz frequency.
13. High storage capacity (500 GB) with removable hard disk and minimum of 25 cases storage.
14. Archiving options: CD ROM, 16X DVD, Removable Hard Disk and Network.
15. Maximum number of area measurements per cross section image for better imaging, Minimum-3d
16. Maximum number of distance measurements per cross section images for better imaging, Minimum-9
17. Minimum 30 GB hard disk with an option of removable storage with minimum storage of 25 cases.
18. DICOM storage & image formatting.
19. Digital Frame Grabber.
20. Data Entry: Touch Screen, Mouse
21. Multiple image screen format.
22. Automatic & manual pull back options.
23. Automated vessel and lumen measurements/detection with manual correction option.
24. Printer to print IVUS images.
25. Approval-International standards agency US FDA or Equivalent.
26. Clinical support for training of staff.
27. Technical back up for maintenance of machine

Specification of FFR Link/DFR Link

FFR (Fractional Flow Reserve)/DFR (Diastolic Hyperemia Free Ratio) Measurement System (Console) specifications for Integrated System

1. Console to determine FFR/DFR / **DPR** with **Optical sensor-based wire** able to assess Arterial Pressure through Cath Lab transducer system.
2. Should communicate with PC.
3. Should be compatible with printer.
4. Should be able to assess distal Pressure through device.
5. Display both real time pressure and mean pressure values.
6. Should give Graphical presentation of pressure waves.
7. Screen window should display real time FFR in both numerical and graphical form.
8. Should be able to measure pressure in a range of - 30 to 300 mm Hg
9. Should be operator friendly, guide steps to follow for procedure.
10. Should have a frequency response of 0-25Hz
11. Allows different beat settings in accordance with the cath lab system.
12. Should have memory to save and record the data
13. Allows analysis of recorded data through software.

Specification for FFR/DFR Comet II Guide Wire:

1. **Should be Optical Sensor based Pressure Wire.**
2. Should be .014" guide wire with 3 cm Radiopaque tip and total working length 185 cm.
3. Should have 0.8 g Tip Load

4. Should Have Flexible length of 33 cm.
5. Should preferably have hydrophilic coating and CoCr Alloy.
6. Should have continuous tapered core design.
7. Should have a radio opaque tip.
8. Should have European CE & USFDA Approved (certificate to be provided).
9. Fast Plug and play procedure
10. Longer working length
11. Better Torque and push ability
12. Compatible with Rapid exchange or over the wire Catheters.