

ANNEX-B-a

SPECIFICATION OF MEDICAL EQUIPMENT

DELIVERY LOCATION AT MOHTERMA BENAZIR BHUTTO SHAHEED GENERAL HOSPITAL QUETTA.

S.No	Equipment	Specs	Qty
1	ECHO Cardiography Machine		1

21.5" LED monitor and 12" with touchscreen for navigation

nSIGHT beamforming with powerful massive parallel processing

Advanced workflow: iSCAN for B/C/D and 4D

Probes: 2 xMATRIX (X5-1, X7-2t) & 4 single crystal (C10-3v, C9-2, C5-1, S5-1)

Fast and easy measurements in 4D and MPR views

4D TEE for surgical procedures and image-guided procedures (Cath lab)

4D TEE incorporates fluoroscopy for automatic registration and tracking

Multimodality side-by-side image comparison

20 second sleep mode, transport mode with battery for 45 minutes

QLAB – Easy to use quantification tools w/ great reproducibility and accuracy
ALIVIA (Automated Cardiac Motion/Mechanics Quantification) with zero-click provides objective assessment of the left ventricle's global function, regional wall motion, deformation and timing with next gen 2D speckle tracking

Detail Technical Specifications: Monitor: 21.5" LCD

Tilt/Rotate Adjustable Monitor

Monitor Resolution: 1920*1080

Image Size Resolution: 1024*768

Touch Screen: 12"

Trackball

CP Back-Lighting: 3 steps

Probe Ports: 4

Battery: 45 min

Boot-Up Time: 110 sec

Sleep Mode

Maximum Depth of Field: 30cm

Minimum Depth of Field: 2cm

Independent Steer & Lockable Wheels

2D, M mode

M-color Flow Mode

Anatomical M-mode

Trapezoidal Mode

Color, Power Angio, Pulse Wave Doppler

Bi-directional Power

SCW Doppler

Tissue Doppler(Velocity) Imaging

Freehand 3D

Live 3/4D OB/GYN

STIC

Live 3D Echo

Stress Echo

Strain and Strain Rate

Panoramic Imaging

Contrast Imaging-Cardiac

Contrast Imaging - General Imaging

Strain-based Elastography

Shear Wave Elastography

Tissue Harmonic Imaging

Spatial Compounding(=CrossXbeam)

Speckle Reduction (=SRI)

Auto Image Opt(B mode)

Auto Image Opt(Doppler)

Write Zoom

Triplex Mode

Needle Enhancement or Needle Recognition

Auto NT Measurement

Auto Follicle 2D Measurement

Auto Follicle 3D Measurement

Auto IMT

Automated B/M/D Measurement

Automated LH Measurement(Automated Function Imaging(AFI), Cardiac Motion Quantification(CMQ), or Auto EF(Ejection Fraction)

Live Dual (B/BC) Mode

Smart Exam or Scan Assistant

Fusion

Raw Data File

Flexible Report

Abdominal

Fetal Echo

Vascular

TCD(Transcranial)

MSK/Anaesthesiology

Echocardiography Adult

Interventional Cardiology

Echocardiography Paediatric

Echocardiography Neonate

Stress Echocardiography

Transoesophageal Echo Adult

Transoesophageal Echo Paediatric

Contrast Imaging Cardiac

Strain Elastography

Shear Wave Elastography

Convex (1~6Mhz)

Convex (2~9Mhz)

Single Crystal Convex (1~6Mhz)

Single Crystal Convex (2~9Mhz)

2D Array 3D Convex

Micro Convex (5~8Mhz)

Single Crystal Endocavity_Straight Type

Endocavity_Curved Type

BiPlane Endo Rectal

3D Convex

3D Endocavity

Linear (>14Mhz)

Linear 50mm

2D Array 3D Phased Array

Phased Array Paediatric

Phased Array Neonate

TEE Adult

TEE Paediatric

2D Array 3D TEE

Pencil CW (2Mhz)

Pencil CW (5 or 6Mhz)

DICOM 3.0

DICOM SR_Cardiac

DICOM SR_Vascular

DICOM SR_OB/GYN

JPEG, WMV, & AVI

USB

HDD/SDD

DVD/CD RW

Wireless LAN

Note: The Biomedical Equipments shall met the Certification (FDA/CE/MHLW) where applicable

Country of Manufacture: Preferably - USA/Europe/Japan