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ANX D TO DGDP TENDER NUMBER 216.07.483.25 DATED: 06 NOVEMBER 2025

# DESCRIPTION OF TECHNICAL SPECIFICATION FOR COLOR DOPPLER ECHOCARDIOGRAPHY MACHINE WITH ADULT, PAEDIATRIC, NEONATE AND FOETAL PROBE AND STANDARD ACCESSORIES QUANTITY-01, (DP-5)

## (Tenderer must fill up this format without changing its basic structure)

Ser no	Description	Description Technical specification				
(a)	(b)	(c)	by the supplier (d)			
1.	General Specification: General					
	a. Nomenclature	Color Doppler Echocardiography Machine With Adult, Paediatric, Neonate and Foetal probe and Standard Accessories, PVMS- 270294, Qty-01				
	b. Brand	To be mentioned.				
	c. Model	To be mentioned. Model should be latest.				
	d. Name of Manufacture with Complete Address					
	e. Name of Principal with Complete Address	To be mentioned.				
	f. Name of Local Agent with Complete Address	Name of Local Agent with To be mentioned.				
	g. Year of Production					
	h. Country of Origin & Manufacturer	Group-A: Bangladesh, Australia, Austria, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Indonesia, Ireland, Japan, Luxemburg, Netherlands, Norway, Singapore, Spain, Sweden, Switzerland, Turkey, UK, USA, South Korea & Italy.				
	j. Port of shipment	Same country of manufacture for Main System. Other Items/ Equipments/ Accessories and Local supplied item to be mentioned specifically.				
2.	Features/Facilities: Details					
3.	Technical Specification:					
ĺ	a. The system must be latest					
	TTE & TEE echocardiograph					
	b. TTE Probe is upgradable.					
~	c. System should have frame					
	d. System must have foeta broadband technology or equ image patients. The system imaging probes. Please men					
	e. System must be offered wi					
	with infinite position adjustme					
	f. System should have at-least facility from keyboard without					
	g. System should support box					
1	h. Operating modes B-mode,					
	Doppler, B/Color flow, PW Do					

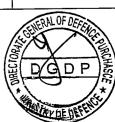
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Ser	Description	Technical specification	To be filled up by the supplier	
no	: Les es staraga facility on in	build hard disc with capacity of 500GB. System should	<u>,</u>	
	have extensive image manage			
	4			
	editing etc.  k. Maximum field-of-view ra			
	k. Maximum field-of-view ra			
	(depth): 0 – 2 cm. System sh			
	Depth should be clearly me			
	attach a letter from manuf			
	scanning depth of 30-60 cm			
	I. B mode & B color simultane			
	B-Mode &Color flow. Digital :			
	imagine.			
	m. System must be offered v			
	technique to remove speckle			
	n Should be able to perfor			
	etrain & CRT quantification.			
	strain rate and strain along u			
	time, Capable of sub-dividi			
	defined sub-region sizes, Po	bint of interest tool obtains values from any point on the M-		
	mode display. In addition to	the tissue Doppler based strain system should have 2D		
	based strain like AFI or Al	utomated Strain for LV , LA and RV should be offered.		
	System should have all sta	andard and following advance soft- warm ,TVI, TSI, TT,		
		, AFI (LV,RV and LA), Auto EF, TVI M-Mode, stress echo		
	package, Q-Analysis.	& calculation package for vascular and cardiac should be		
	p. Advanced measurements	have automated/semiautomated 2D tools for TAPSE, LA		
	Volume EF assessment			
	g. System must be offere	d with user friendly high resolutions user interface touch		
	nanel of minimum size of 12	2.0 inch or intuitive keyboard. User friendliness will be given		
	proforonco			
	r System must be offered	with a 2D frame rate of at least 3000 frames/second or		
	more Acquisition frame rate			
	mentioned Please attach a			
	stating the frame rate of the	offered system.		
	a Contract Imaging should			
	Low and HI MI application			
	replacement Imaging.	West of Other Fahr average	<del> </del>	
	t. Integrated stress Echo fac	cility to perform Stress Echo exams.		
	u. Should have the state of	f the art Transmit real time compound Imaging Technology		
	with Multiple transmitted lin	es of sight, wherein multiple coplanar Images from different d and combined into a single compound image at real-time		
	viewing angels are obtained	i visualization. Should demonstrate and show multiple		
	transmitted line of sight in li	ner probes		
	v. Cardiac Auto doppler with	h Artificial intelligence		
	v. Caldiac Auto doppler with	IP, RIMP, and Continuity equation.		
	v System should have nos	t processing, Offline M mode, offline Baseline shift.		
	y. System should be offered			
	cSound/nSightPlus or equiv			
	z. 2D Al based measurement			
	aa. System should be upgra			
	bb. Strain Measurement to			
[	cc. System should be upgr			
	dd. Equipment must be abl			
	ee System should be upar			
	ff. Following latest Transd	ucers (Frequency tolerance +/-2MHz) should be supplied		
	with the system:		<u> </u>	
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Ser no	Description			chnical spec			To be filled up by the supplier
110	(a) 4-12 MHz Broadband Neonate echo transducer for Neonatal cardiology						
	imaging						
	(b) 2-8 MHz Broadband latest paediatric echo transducer for paediatric and small						
	adult cardiology imaging.						
	(c) 1-5 MHz Matrix/Sin	ale crystal la	test Adult	echo transdu	cer		
	(c) 1-5 MHz Matrix/Single crystal latest Adult echo transducer (d) 2.3-8.4 MHz Convex Transducer for foetal Echo application.						
4.	Standard Accessories:						
ч.	(a) Thermal B/W Printe	er.					
	(b) 3 KVA online UPS.						
	(c) Color Printer (Print command via main console not via PC)						
5.	Optional accessories (if any):To be mentioned						
		to stabilized		\ <u></u>			
6.	Power Supply Au						
7.	Complete BOQ/BOM. All	Foreign & Lo	ocal suppl	ied items to b	e listed separate	ay for full	
	range of operation of the e		per follov	ving table:	Country of	Remarks	
	Ser Name of item Q	ty Brand	Model	Country of	Country of Manufacturer	Kemarks	1
				Origin	Manufacturer		<u> </u>
				·			
8.	Local Training						
	a. Operational Training	02x Peadia	tric Cardi	ologist for 01 v	week.		
	•	Ody EM To	obnician f	or 02 week			
	b.Repair/Maintenance 04x EM Technician for 02 week						
	Training Warranty 05 (Five) years warranty from the date of issuance						
9.							
	A Standard Inc.	Inspection Note (I/Note)					
10.	After sales service	10 (Ten) years from the date of installation.					
11.	Certificate of quality	o The inst	US-FDA & EU-CE / US-FDA & JIS Certificate  a. The installation list in Bangladesh of offered model must				
12.	Terms and Condition a. The installation list in Bangladesh of offered model must be submitted with the offer.						
	1	b. Availability of spare parts for 10 years from the date of					
		Installation	and com	missionina (fu	nctionina).		
13.	Installation and commissioning (functioning).  Books and Publication Following books and publication will be supplied in English						
13.	along with the stores free of cost.						
	a Operation		onal manual – 03 Copies (01x Original & 02x				
		Photocopies)					
	b. Repair/Maint/Service manual including details circuit						
		Schematic	diagrams	- 03 Copies	(01x Original & 0	)2x	Ì
		Photocopie		•	,		
		c. Parts Ca	atalogue/N	∕laster Parts li	st– 03 Copies (0	1x	
		Original &	02x Phot	ocopies)			
		d. 100% S	pare Part	s list with price	e – 02 x Original	copies	
		Note: In ac	dition to	hard copy, a s	oft copy CD/DV	)	
					ons will be suppl	ied by the	
_		supplier fre	e of cost	•			
13.	If any other feature/items not listed above but required for full range of operation of the						
	offered equipment to be mentioned and to be supplied free of cost with main						
	equipment						
14	Comprehensive Maintenance Contract (CMC): The supplier will submit a price offer						
	for Comprehensive Maintenance Contract (CMC) for 03 (Three) years which will be						! <b> </b>
	applicable after the warranty period. Non stopping service shall be provided by						'
	manufacture authorized local agent/vendor. Terms & Conditions as per Government						5
	policy.					<u> </u>	

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