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ANX D TO

DGDP TENDER NUMBER 216.07.496.25

DATED: 15 DECEMBER 2025

DESCRIPTION OF TECHNICAL SPECIFICATION OF ICU VENTILATOR ADULT TO PEADIATRIC WITH ALL ACCESSORIES, QUANTITY-20, (DP-5)

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

(a) 1.	(b) General Specification: General Specificat	(c) ral specifications are as under: ICU Ventilator Adult to Peadiatric with all Accessories, PVMS-020378,Qty-20 Nos To be mentioned. To be mentioned. Model should be latest.	Manufacturer (d)			
	deneral Specification: General Specification:	ICU Ventilator Adult to Peadiatric with all Accessories, PVMS-020378,Qty-20 Nos To be mentioned. To be mentioned. Model should be latest.				
	b. Brand c. Model d. Name of Manufacture with Complete Address	PVMS-020378,Qty-20 Nos To be mentioned. To be mentioned. Model should be latest.				
	c. Model d. Name of Manufacture with Complete Address	To be mentioned. Model should be latest.				
	d. Name of Manufacture with Complete Address					
	with Complete Address					
	e Name of Principal with	To be mentioned.				
	Complete Address	To be mentioned.				
	f. Name of Local Agent with Complete Address	To be mentioned.	A A			
	g. Year of Production	Not before the calendar year of contract.	1			
	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.	Function/Capability:					
	a. Display: 12 Inch or more C					
	b. Built in air Compressor /Air					
	c. Trends (up to 72 h)					
	d. Loops: Pressure vs Flow, P					
	e. Built in Capnograph.					
	f. Built in Nebulizer					
	g. Anti-suffocation inspiratory					
	h. Internal battery backup min					
	j. Automatic Gas switch-over f					
	k. Curv Display: Airway Press					
	j. Complementary Functions: Following are to be available					
	(1) ETCO ₂ Probe					
	(2) P 0.1 function					
	(3) PV flex (Inflection Points					
	(4) Plmax					
	(5) VD/VT Physiologic					
	(6) Spontaneous Breathing					
	(7) Altitude compensation f					
	(8) Body temperature volu					
	(9) Volume correction acco					
	(10) Leak compensation av					
	(11) Tidal volume setting be					
	(12) Emergency Valve: A ambient air if air and O ₂ su					

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Ser	To be filled up							
no		by the Principal/ Manufacturer						
	k. Respiratory Mechanics: To							
	Connectivity: RS-232C with DB-9 connector or better.							
3.	3. Technical Features/Facilities:							
	a. Operative Modes (Adults and Pediatrics): (1) VCV, PCV(Assisted/Controlled), PSV, CPAP, SIMV(VCV)+PSV, SIMV(PCV)+PSV,							
	(1) VCV, PCV(Assisted/Co MMV							
	(2) PSV, PSV+Tidal Volum							
	b. Operative Modes (Neonates-Infants): (1) VCV, PCV (Assisted/Controlled), PSV, CPAP, SIMV (VCV)+PSV, SIMV							
	(PCV)+PSV, TCPL, PRVC							
	(2) SIMV (TCPL)+PSV, CPA							
	c. Parameter:							
	(1) Inspiratory time: 0.1-3	seconds. (30 sec.in APRV) or better						
	(2) I:E ratio: 4:1, 1:599							
	(3) Respiratory Rate (Adult)							
	(4) Respiratory Rate (Ped/							
	(5) Tidal volume : 2 to 2500							
		(6) PEEP/CPAP: 0-50 cm H ₂ 0						
	(7) FIO ₂ : 0.21-1.0							
	(8) Inspiratory sensitivity (F							
	(9) Inspiratory sensitivity (F							
	(10) Pressure control Ventilation (PCV): 2-100 cm H2O							
	(11) Pressure Support Ventilation(PSV): 0-100 cmH2O (12) Expiratory sensitivity for PSV: Adjustable in 5% to 80% or better.							
	(13) Auto leak measuremer (14) Safety valve opening p							
		ivated following a priority order with a light signal, an audible						
	signal and a message on the							
	(1) Maximum and minimum							
	(2) High and low exhaled tid							
	(3) High and low exhaled m							
	(4) Oxygen percentage to the							
	(5) Continuous pressure in							
	(6) Apnea with adjustable ti							
	(7) Maximum respiratory ra							
	(8) PEEP loss.							
	(9) Lack of main electric po	wer.						
	(10) Low battery.							
	(11) Technical failure.							
	(12) Disconnection.							
	(13) Main Power Loss							
	(14) Any other, to be mentioned							
4.	Standard Accessories: Following standard accessories must be supplied with each ventilator:							
	a. Basic Ventilation Unit with E							
	a. Four-wheel cart (with break	s)						
	c. Patient circuit- 5 pcs							
	d. Adult Test lung- 2 pcs							
	e. Flexible arm with tubes hold							
f. Water filter for compressed air inlet.								
	g. Two expiratory ensembles/							
h. Air supply high pressure hose (min 3 meter)								

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Ser no	Description		Technical specification				To be filled up by the Principal/ Manufacturer
	j. Oxygen supply high pressure hose (min 3 meter)						
	k. Nebulizer (complete kit)						
	I. Power Cord						
	m. Oxygen sensor- 2						
5.	Optional accessories						
6.	Power Supply						
7.	Complete BOQ/BOM		el should be in gn & Local su			rately for full	
	range of operation of						-
	Ser Name of item	n Qty B	rand Model	Country of Origin	Country of Manufacturer	Remarks	
8.	Local Training						
	a. Operational Training 02x Operators for 01 week.						
	b. Repair/Maintenand	ce Training	02x EM Tech				
9.	Warranty 03 (Three) years warranty from the date of issuance Inspection Note (I/Note)						
10.	After Sales Service 10 (Ten) years from the date of installation.						
11.	Certificate of Quality FDA/ CE/JIS Certificate must be submitted with offer.						
12.	Books and Publicat	Following books and publication will be supplied in English along with the stores free of cost. a. Operational manual – 03 Copies (01x Original &02x Photocopies) b. Repair/Maint/Service manual including details circuit/ Schematic diagrams–03 Copies (01x Original & 02x Photocopies) c. Parts Catalogue/Master Parts list–03 Copies (01x Original & 02x Photocopies) d. 100% Spare Parts list with price – 02 x Original copies Note: In addition to hard copy, a soft copy CD/DVD containing all books and publications will be supplied by the supplier free of cost.					
13.	If any other feature/i						

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