TECHNICAL SPECIFICATION & COMMERCIAL BID SCHEDULE (ALL-IN-ONE)

Equipment: Hospital-Wide Multi-Parameter Patient Monitoring Systems (ICU, NICU, OT, Emergency, General Ward)

S.N.	Monitor Category / Block	Technical Specifications & Scope of Supply	Qty	Offered Make / Model	Basic Rate	GST (%)	Total Price
1	**Advanced ICU Monitor (15"–17" Touchscreen)**	• Parameters: 3/5/12-lead ECG, SpO2, NIBP, Dual Temp (2xTemp), Respiration Rate (RR), Pulse Rate. • Specialized Modules: Dual Invasive Blood Pressure (2xIBP), Sidestream/Microstream EtCO2 port, Arrhythmia detection (23+ types), multi-lead ST-segment analysis. • Safety & System: 360° alarm light bar, Central Nursing Station (CMS) LAN/Wi-Fi interface, ≥120 hrs trend storage, ≥3–4 hrs battery backup, heavy-duty wall mount bracket.	4Unit				
2	**Dedicated NICU Monitor (10.4"–12.1" Quiet Mode)**	• Neonatal Specifics: Neonatal 3-lead ECG, high-sensitivity low-perfusion & motion-tolerant SpO2 (Masimo SET / Nellcor OxiMax), skin temperature probe. • Safety Algorithms: Neonatal NIBP with micro-cuff auto-overpressure dump (cuff sizes #1, #2, #3), dedicated Apnoea alarm detection (10–20 sec delay), Oxy-CRG (Oxygen Cardio-Respirogram) display. • Ergonomics: Visual-first alarm light to prevent acoustic trauma in premature neonates, CMS ready, ≥4 hrs battery, mobile rolling stand.	2Unit				
3	**Operation Theatre Monitor (15"–17" High Contrast)**	• Standard Parameters: 5/12-lead ECG, SpO2, NIBP, Dual Temp, Respiration Rate. • Surgical Capabilities: Electrosurgical Unit (ESU/electrocautery) interference suppression filter, Mainstream/Sidestream EtCO2 (real-time capnography), Dual IBP for arterial line / CVP tracking, defibrillator synchronization. • Display & Mounting: Slave display HDMI output for secondary surgeon viewing, high-volume alarms, ≥3 hrs battery backup, articulated arm mount.	2Unit				
4	**Emergency / Casualty Monitor (10.4"–12.1" Transport Rugged)**	• Standard Parameters: 5-lead ECG, motion-tolerant SpO2, NIBP, single Temp, Respiration Rate. • Emergency Features: Fast-stat NIBP mode, quick patient profile admission, shock-resistant drop-tested housing with top carry handle. • Portability: Rapid-response yellow/red flashers, bed-rail hook / IV pole clamp, high-capacity Li-ion battery (≥4–5 hrs runtime).	2Unit				

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5	**General Ward Monitor (8.4"–10.4" Standard 5-Para)**	• Standard Parameters: 3/5-lead ECG, SpO2, NIBP, single Temp, Respiration Rate. • Clinical Engine: Spot-check and continuous monitoring modes, Early Warning Score (MEWS/NEWS) automated calculation for deterioration alert. • Ward Safety: Standard audio-visual alarms, nurse call interface, tamper-proof parameter lockout, ≥4 hrs battery backup, standard wall bracket.	4Unit				
6	**Central Monitoring Station (CMS Network Package)**	• Hardware: Dedicated commercial-grade workstation server PC, dual 24" medical-grade displays, laser printer, network Ethernet switch. • Software: 16–32 bed real-time monitoring software license, bidirectional alarm control, 72-hr full disclosure waveform storage, HL7 hospital HIS/EMR interface.	2Set				
7	**Turnkey Installation, Testing & 2-Year Comprehensive Warranty**	• Scope: Turnkey delivery (F.O.R.), complete on-site mounting, network cabling/Wi-Fi setup, transducer calibration, staff training. • Warranty: Minimum 2-year comprehensive on-site warranty covering all internal boards, display, NIBP pump, and power supplies. • SLA: Dedicated local service support with guaranteed breakdown response time within ≤24–48 hours.	1 Job				
	TOTAL BASE SYSTEM PACKAGE PRICE	**Comprehensive turnkey package covering Items 1 to 7 (Complete 5-department patient monitoring fleet, CMS station, accessories, delivery, and 2-Year Warranty).**	**Total**				
OPT	**Post-Warranty CMC (Years 3 to 5)**	**Comprehensive Maintenance Contract covering display panels, power boards, NIBP pumps, SpO2 boards, and CMS network hardware.**	**3 Yrs**				
OPT	**Post-Warranty AMC (Years 3 to 5)**	**Annual Maintenance Contract covering preventive maintenance visits, NIBP pneumatic calibration, electrical safety tests, and labor.**	**3 Yrs**				