

2nd Ammendment made in the IBF no: DMO/JHAPA/MED/42/2076-77, Procurement of Medical Machinery and Equipments for Damak Hospital  
Date: 13th May 2020

Slice No	Item No	Equipment Name	S. N	Tender Technical Specifications	Changes on Previous Specifications/Amendments
1	1	Fully Automated Bio-Chemistry Analyzer	7	C	Must submit ISO13485, USFDA or CE (EC Directives marked certificates must be issued by the EU Member Countries ) Approved Product.
2	1	Fully Automated Hematology Analyzer	11	a	Must submit ISO13485, USFDA or CE (EC Directives marked certificates must be issued by the EU Member Countries ) Approved Product.
3	1	Fully Automated Immunoassay Analyzer	7	a	Must submit ISO13485, USFDA or CE (EC Directives marked certificates must be issued by the EU Member Countries ) Approved Product.
6	3	Ventilator Portable	7		Must submit ISO13485, TUV , IEC 60601, USFDA or CE (EC Directives marked certificates must be issued by the EU Member Countries ) Approved Product.
8	3	Multi Parameter Patient Monitor	7		Must submit ISO13485 , IEC 60601, USFDA or CE (EC Directives marked certificates must be issued by the EU Member Countries ) Approved Product.

**बिड डकुमेन्टको Slice No 1, 2, 3 मा निम्न सर्तहरू थप गरिएको छ।**

निम्न:

- १) ४ वर्ष सम्म Standard Warranty साथै पाँचौ वर्षमा Free of Cost AMC Service थप गरिएको छ।
- २) बोलपत्र मुल्याङकन गर्दा उल्लेखित उपकरणहरूमा प्रयोगहुने Chemical Reagents/Kit को प्रति ईकाई दरलाई समेत आधार मानि मुल्याङकन गरिने छ।

1st Ammendment made in the IBF no: DMO/JHAPA/MED/42/2076-77, Procurement of Medical Machinery and Equipments for Damak Hospital  
Date: 12th May 2020

Slice No	Item No	Equipment Name	S. N	Tender Technical Specifications	Changes made on Previous Specifications
1	1	Fully Automated Bio-Chemistry Analyzer	4	E.a	Reagent Capacity: With or Without Removable tray with minimum 50 cooled positions.
			4	K.b	Filters: 08-12 Nos. between 340-800nm Wavelengths.
			4	K.d	Resolution: 0.0001A or better.
			4	K.e	Light Source: LED Base or Halogen Tungsten lamp.
			7	C	Should have USFDA cleared certificate in both instrument and 80% of Routinely used Reagents parameters.
2	1	Fully Automated Hematology Analyzer	11	a	Must submit ISO13485 for Medical Devices, USFDA & CE/EC Directives Certificates.
3	1	Fully Automated Immunoassay Analyzer	2		Brand new latest model Fully Automated, Random Access, Multi- channel, Bench Top / Table Top / Floor Standing, ergonomic designed Immunoassay Analyzer to perform analysis of variable parameters as mentioned below from serum, plasma and any body fluid.
			4	A	Should be fully automated immunodiagnostic based on latest enhanced or Flash Electrochemiluminescence technology.
			4	D.e	e) Bone 1,25-Dihydroxy Vitamin D, PTH, Osteocalcin, Anti-CCP, etc
			4	D.f	f) Infections (Hepatitis-A,B,C & E; HIV 1,2; TORCH-(CMV, Toxo, Rubella, HSV )-IgG/ IgM,
			4	D.g	g) Trop-I, PCT, (SARS-COV 2 -Optional)
			4	H	The reagents should be ready to use with complete components for sample test and kit calibration
4	1	C-ARM Machine	4	D	Monitor: 2Nos of 19" Medical grade monitor along with modular trolley, Keyboard, Large size wheels with kick stop provision in minimum 2 wheels and Should have LCD screen displaying KV Interlock, Filament Interlock and Thermal Interlock
			4	E	Trigger Sensitivity (flow trigger): Minimum upto 1 to 15 L/Min Trigger Sensitivity (pressure trigger): Minimum 1 to 15 steps
				F	I:E ratio : 1:4 to 4:1
				G	PEEP: minimum upto 0 to 20mbar/cmH2O
				H	Tidal Volume: starting 100 to 2000mL

6	3	VENTILATOR, PORTABLE	I	Fio2 Concentration: 100%(No-Air Mix) or approximately 40% (O2 Air Mix)
			J	Should facilitate leak compensation. (VTe <40 to 45% of VTi) Leakage Alarm Delay: not more than 30 seconds after start of ventilation
			L	etCO2, (CPR Mode -Optional)
			6 B	Power supply AC/DC Power Pack: Input 120 to 240V AC, Output: 12V to 24V DC. DC/DC Converter (Optional): Input 12 /24 / 28 V DC, Output: 12V to 24V DC. Battery: Li-Ions or NiMH battery with at least 4 hours backup. Operating Time (fully charged): Minimum 4 hours or more.
8	3	Multi-Parameter Patient Monitor	4 K	The System should be upgradable with EtCO2 (Any stream-Side/ Micro/Main) and Multigas (CO2, O2, N2O & 5 AA), BIS, Cardiac Output Parameters
4	2	ORTHO DRILL SYSTEM (BATTERY OPERATED; AUTOCLAVABLE )	2 C	Hand Piece for Drill: 4mm or more, Cannulated Autoclavable Pistol Type <ul style="list-style-type: none"> <li>• Speed: 1000 RPM or above on load</li> <li>• Jacob Chuck Key (Stainless Steel)</li> <li>• Quick Coupling Chuck (Synthesis Type)</li> <li>• Hudsons Chuck</li> <li>• Chuck for K-wire</li> <li>• Wire/Pin attachment</li> <li>• Blades</li> <li>• Forward &amp; Reverse Options.</li> </ul>
			D	Hand Piece for Reamers & Accessories: 4mm or more, Cannulated Autoclavable Pistol Type <ul style="list-style-type: none"> <li>• Speed: 400RPM or above on load,</li> <li>• Chuck for Cannulated Reamers</li> <li>• Wire/Pin attachment</li> <li>• Forward &amp; Reverse Options</li> <li>• Flexible reamer set from size 8mm to 12mm with 0.5mm successive increment.</li> </ul>
			6 B (added)	Proximal zigs should be of high quality, radio transparent where needed and accurate in locking in safe zone of limb.
7	7	Laboratory Refrigerator	3 3.1	The system should consists of refrigeration compartment of minimum 400 Ltr. Capacity, CFC free, Floor standing model with digital display thermometer, adjustable shelves/drawers, alarm system and Voltage corrector/stabilizer.

			4.1	Gross Volume: 400 litres or more.
			4.8	Spill proof adjustable shelves/drawers. Number of selves: 6 or more Nos.
5	5	Gynecological Examination & Delivery Table with Mattress, Stainless Steel	7 A	Must submit ISO13485, WHO-GMP Certificate