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CORRIGENDUM

Amendment Notice to the Tender Document bearing E-Tender Notice No.-05/2019-20/Biomedical Eqpt./IGIMS/Store for the Supply, installation and commissioning of Biomedical Equipment to the various dept. of IGIMS, Patna.

Amendments mentioned hereunder are notified:

Description	Specifications mentioned in the Bidding Document	Should be read as follows:
Group A – Trauma & Emergency		
14. High end ICU Ventilator		
S.No.4. Point No.i.	I) Should be upgradable to NAVA(Neurally Adjusted Ventilatory Assist)	• Should be upgradable to NAVA(Neurally Adjusted Ventilatory Assist)/ AMV (Adaptive Minute Ventilation)
S.No.5. Point No.d.	d) Inspiratory time 10% to 80% of breath cycle time.	d) Inspiratory time 10% to 80% of breath cycle time/ 2 to 10 sec
S.No.5. Point No.e.	e) Pause time 5 to 30% of breath cycle time.	e) Pause time 5 to 30% of breath cycle time/ 0- 5 Sec.
15. High End Multi Para-Monitor		
Point No.5.	• Max 720 hours trend review, 2880 sets NIBP data storage	• Minimum 120 hours trend review, 1000 sets NIBP data storage
16. ANESTHESIA WORKSTATION		
S.No.3.	Anaesthesia machine and all the attached devices must be of same manufacturer.	Anaesthesia machine and all the attached devices must be of same manufacturer except desflurane vaporizer.
S.No.4. Point No.i.	In case of O2, failure machine should automatically switch over to ambient air.	In case of O2, failure machine should automatically switch over to ambient air/ drive gas.
S.No.8. Point No.k.	It should be electronically driven and electronically controlled to save a lot on driving gas cost and also making it minimal flow capable.	It should be electrically/pneumatically driven and controlled to save a lot on driving gas cost and also making it minimal flow capable.
S.No.9. Point No.d.	It should have the capability to display minimum 15 real time waveforms along with related numerical parameters on a single	It should have the capability to display minimum 8 real time waveforms along with related numerical parameters on a single screen.

	screen.	
<u>S.No.9. Point No.k.</u>	Should have inbuilt rechargeable battery for uninterrupted operation at least 120 minutes.	Should have inbuilt rechargeable battery for uninterrupted operation at least 60 minutes or more.
<u>S.No.9. Point No.m.</u>	All Monitors should be able to communicate with each other and can display other patient monitor data without the need of central monitor.	To be deleted.
<u>S.No.9. Point No.n.</u>	Monitor must be US FDA approved for all parameters.	To be deleted.
<u>S.No.9. Point No.q.</u>	Monitor to monitor overview must be there.	To be deleted.
<u>S.No.9. Point No.u.</u>	The price of central nursing station (12 bedded & 16 bedded) with complete networking, 23-inch display and laser printer to be quoted separately.	To be deleted.
<u>S.No.9. Point No.v.</u>	Manufacturer should quote to ensure proper after sale services & company should provide the service directly not by channel partner to ensure maximum uptime of the equipment by local service centre.	Manufacturer should quote to ensure proper after sale services & OEM engineer should provide the service directly not by channel partner to ensure maximum uptime of the equipment by local service centre.
<u>Add on S.No.9. Point No.x.</u>	Add on	System should be US-FDA and CE approved.
17. <u>Blood Gas analyzer Machine</u>		
<u>S.No.2.</u>	Essential Measured parameters; pH, pCO ₂ , pO ₂ , SaO ₂ , tHb, Barometric Pressure, Na ⁺ , K ⁺ , Ca ⁺⁺ , Cl ⁻ , BI urea & Blood sugar. All these parameters should be measured simultaneously (measured parameters, pH,pco₂,pO₂,SaO₂,tHB,Barometric pressure, Na⁺ K⁺ Ca⁺⁺,Cl-BI urea & Blood sugar .All these parameter s should be measured simultaneously)	Essential Measured parameters; pH, pCO ₂ , pO ₂ , SaO ₂ , tHb, Barometric Pressure, Na ⁺ , K ⁺ , Ca ⁺⁺ , Cl ⁻ , Blood sugar. All these parameters should be measured simultaneously (measured parameters, pH,pco ₂ , pO ₂ , SaO ₂ , tHB, Barometric pressure, Na ⁺ K ⁺ Ca ⁺⁺ , Cl Blood sugar .All these parameter s should be measured simultaneously) Optional -Urea -Creatinine
<u>S.No.3.</u>	Calculated parameters should include BE, BE ecf, HCO ₃ , Lactate, Anion Gap etc (calculated parameters include Be,BE,ecf,HCO₃,Lactate,Anion Gap etc.)	Parameters should include BE, BE ecf, HCO ₃ , Lactate, Anion Gap etc.
<u>S.No.4.</u>	Sample volume-less than 100ul (120ul)	Sample volume-less than 200ul
<u>S.No.5</u>	Fast analysis time – less than 60 sec. (Depending on parameters selected results are available in 60 sec.)	Fast analysis time – less than 120 sec. (Depending on parameters selected results are available in 60 sec.)

<u>S.No.7</u>	Fully automatic liquid calibration of all parameters at user-defined intervals without the use of Gas calibrated reagents, external gases, tanks or regulators.(Fully automatic liquid calibration of all parameters every 2 hours without the use of Gas calibrated, reagents,external gases, tanks or regulator.)	Fully automatic liquid calibration of all parameters at user-defined intervals without the use of Gas calibrated reagents, external gases, tanks or regulators.(Fully automatic liquid calibration of all parameters every 2 hours without the use of Gas calibrated, external gases, tanks or regulator.)
<u>S.No.11</u>	Built in auto Quality control facility.	To be deleted.

The document also can be downloaded from www.eproc.bihar.govt.in and the IGIMS website www.igims.org.

Devesh
23/12/17
Director
I.G.I.M.S, Patna