

28.02.2023

**Tender For the Supply and installation of Physiological Monitoring - I For Tertiary Care Hospitals At Govt. Rajaji Hospital, Madurai Govt, Kilpauk Medical College Hospital, Chennai and Govt. Coimbatore Medical College Hospital, Coimbatore**

**Tender No: PKG1/C1/ICB/TNUHP/JICA/TNMSC/ENGG/2022, Dt. 29.307.2022**

**Corrigendum – III**

a) The following Corrigendum are issued:

<b>Sl. No.</b>	<b>Tender Reference</b>	<b>Instead Of</b>	<b>Read As</b>
1	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b> <b><u>Technical Specification for Multi Para Monitor with ETC02 &amp; IBP (Lot/Contract no.1)</u></b>	2. Should have a minimum 15-inch-High Bright Screen, Portable, with Battery Backup at least 2 hour.	2. Should have a minimum 15-inch-High Bright Screen, Portable, with Battery Backup at <b>least 1 hour.</b>
2	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b> <b><u>Technical Specification for Multi Para Monitor with ETC02 &amp; IBP (Lot/Contract no.1)</u></b>	3.Should have Display of atleast 7 Waveforms or more.	3.Should have Display of <b>atleast 6 Waveforms or more.</b>
3	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b> <b><u>Technical Specification for Multi Para Monitor with ETC02 &amp; IBP (Lot/Contract no.1)</u></b>	4. Should have 120 hours or more graphic and tabular trend of all parameters.	4. Should have <b>48 hours or more</b> graphic and tabular trend of all parameters.

Sl. No.	Tender Reference	Instead Of	Read As
4	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b></p> <p><b><u>Technical Specification for Multi Para Monitor with ETC02 &amp; IBP (Lot/Contract no.1)</u></b></p> <p><b>Scope of Supply must include:</b></p>	c) 5 lead wire- 2 Nos.	<b>c. Deleted</b>
5	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b></p> <p><b><u>Technical Specification for Multi Para Monitor with ETC02 &amp; IBP (Lot/Contract no.1)</u></b></p> <p><b>Scope of Supply must include:</b></p>	i) Disposable IBP Transducers- 5 Nos.	i) Disposable IBP Transducers- <b>10 Nos.</b>
6	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b></p> <p><b><u>Technical Specification for Multi Para Monitor with ETC02 &amp; IBP (Lot/Contract no.1)</u></b></p> <p><b>Scope of Supply must include:</b></p>		Add the following after (k) <b>(I) Disposable ECG electrodes – 200 Nos.</b>
7	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b></p>	4. The unit should have an inbuilt continuous battery	4. The unit should have an inbuilt continuous battery

Sl. No.	Tender Reference	Instead Of	Read As
	<u><b>3. Technical Specifications</b></u> <u><b>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</b></u>	backup of minimum 2 hours.	backup of minimum <b>1 hour.</b>
8	<u><b>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</b></u> <u><b>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</b></u>	13. The monitor should be capable of displaying 120 hours trends for all monitor parameters. Time resolution for trends should be selectable.	13. The monitor should be capable of displaying <b>48 hours trends</b> for all monitor parameters. Time resolution for trends should be selectable.
9	<u><b>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</b></u>	c. 5 lead wire- 2 Nos.	<b>c. Deleted</b>

Sl. No.	Tender Reference	Instead Of	Read As
	<p><b><u>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p><b>Scope of Supply must include:</b></p>		
10	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p><b>Scope of Supply must include:</b></p>	i) Disposable IBP Transducers- 5 Nos.	i) Disposable IBP Transducers- <b>10 Nos.</b>
11	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b></p>	m. Wall mount bracket with cables holder for mounting the monitors should be provided.	m. <b>Deleted</b>

Sl. No.	Tender Reference	Instead Of	Read As
	<p><b><u>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p><b>Scope of Supply must include:</b></p>		
12	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p><b>Scope of Supply must include:</b></p>		<p>Add the following point after (l) <b>m. Disposable ECG electrodes – 200 Nos.</b></p>
13	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specification for Multipara Monitor (Lot/Contract no.3)</u></b></p>	<p>1. Should have monitoring the following Parameters - ECG + SpO2(with ability to work in low perfusion and identify Pleth Variability Index) + NIBP + Resp + Temp (Dual).</p>	<p>1. Should be able to monitor the following Parameters - ECG + <b>SpO2(with ability to work in low perfusion)</b> or PI perfusion index+ NIBP + Resp + Temp (Dual).</p>

<b>Sl. No.</b>	<b>Tender Reference</b>	<b>Instead Of</b>	<b>Read As</b>
14	<b><u>Corrigendum Dt. 30.01.2023</u></b> <b><u>Annexure I</u></b> <b><u>3. Technical Specifications</u></b> <b><u>Technical Specification for Multipara Monitor (Lot/Contract no.3)</u></b>	2.Should have a minimum 12.1-inch-High Bright Screen, Portable, with Battery Backup at least 2 hour.	2. Should have a minimum 12.1-inch-High Bright Screen, Portable, with Battery Backup at <b>least 1 hour.</b>
15	<b><u>Corrigendum Dt. 30.01.2023</u></b> <b><u>Annexure I</u></b> <b><u>3. Technical Specifications</u></b> <b><u>Technical Specification for Multipara Monitor (Lot/Contract no.3)</u></b>	1.Should be able to Display up to 7 Waveforms.	3. Should be able to Display up to <b>6 Waveforms.</b>
16	<b><u>Corrigendum Dt. 30.01.2023</u></b> <b><u>Annexure I</u></b> <b><u>3. Technical Specifications</u></b> <b><u>Technical Specification for Multipara Monitor (Lot/Contract no.3)</u></b>	4.Should have 72 hours graphic and tabular trend of all parameters.	4. Should <b>have 48 hours or more</b> graphic and tabular trend of all parameters.
17	<b><u>Corrigendum Dt. 30.01.2023</u></b> <b><u>Annexure I</u></b> <b><u>3. Technical Specifications</u></b> <b><u>Technical Specification for Multipara Monitor (Lot/Contract no.3)</u></b>	6.Should have Oxygen Saturation (with ability to work in low perfusion and identify Pleth Variability Index)including oxygen saturation, pulse rate, pulse wave.	6. Should have Oxygen Saturation (with ability to work in low perfusion) including oxygen saturation, pulse rate, pulse wave.
18	<b><u>Corrigendum Dt. 30.01.2023</u></b> <b><u>Annexure I</u></b> <b><u>3. Technical Specifications</u></b>	a. Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion and identify Pleth Variability Index), Dual Temp, NIBP, inbuilt battery - 1 No.	a. Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion), Dual Temp, NIBP, inbuilt battery - 1 No.

Sl. No.	Tender Reference	Instead Of	Read As
	<b><u>Technical Specification for Multipara Monitor (Lot/Contract no.3) Standard Accessories:</u></b>		
19	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specification for Multipara Monitor (Lot/Contract no.3) Standard Accessories:</u></b>	c. 3 lead wire - 1 No.	<b>c. Deleted</b>
20	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specification for Multipara Monitor (Lot/Contract no.3) Standard Accessories:</u></b>		Add the following point after (i) j. <b>Disposable ECG electrodes – 200 Nos.</b>
21	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>	c.Should have ST analysis, Arrhythmia detection, pacer spike detection, Drug Dose Calculation, titration table.	c.Should have ST analysis, Arrhythmia detection, pacer spike detection, Drug Dose Calculation.
22	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b>	d. Should have integrated 15" or above TFT colour touch screen display (resolution min 1024 * 768) with minimum 10 channels	d. Should have integrated 15" or above TFT colour touch screen display (resolution min 1024

Sl. No.	Tender Reference	Instead Of	Read As
	<b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>	of waveforms.	* 768) with minimum <b>8 channels</b> of waveforms.
23	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>	h. Monitor access should be with Touch screen, rotary knob and fast access key for quick function.	h. Monitor access should be Touch screen or rotary knob with fast access key for quick function.
24	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>	i. Should have 120 hrs or more trend and 60 events with waveform as standard.	i. Should have <b>48 hrs</b> or more trend and 50 events with waveform as standard.
25	<b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b>	n. Monitor should have a USB port for software upgrade. -	n. Monitor should have a USB port or any equivalent option for software upgrade.



Sl. No.	Tender Reference	Instead Of	Read As
	<u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u>		
26	<u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u> <u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u>	p.Should have battery backup of 2 hours or more.	p.Should have battery backup of <b>1 hour or more.</b>
27	<u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u> <u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u>  <b>B. Scope of Supply must include:</b>	c) 5 lead wire- 2 Nos.	<b>c) Deleted</b>

Sl. No.	Tender Reference	Instead Of	Read As
28	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b></p> <p><b>B. Scope of Supply must include:</b></p>	k) Wall mount bracket with cables holder for mounting the monitors should be provided.	<b>K. Deleted</b>
29	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b></p> <p><b>B. Scope of Supply must include:</b></p>		Add the following point after (j) <b>k.</b> <b>Disposable ECG electrodes</b> <b>– 200 Nos.</b>
30	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b></p>	4. Should have integrated 15" or above TFT colour touch screen display (resolution min 1024*768) with minimum 10 channels of waveforms.	4. Should have integrated 15" or above TFT colour touch screen display (resolution min 1024*768) with minimum <b>8 channels</b>

Sl. No.	Tender Reference	Instead Of	Read As
	<u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u>		of waveforms.
31	<u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u> <u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u>	9. Monitor access should be with Touch Screen, rotary knob and fast access key for quick function.	9. Monitor access should be Touch Screen or rotary knob with fast access key for quick function.
32	<u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u> <u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u>	10.Should have 120 hrs or more trend and 60 events with waveform as standard.	10. Should have <b>48 hrs or more</b> trend and 50 events with waveform as standard.
33	<u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u>	15. Monitor should have a USB port for software upgrade.	15. Monitor should have a USB port or any equivalent option for software upgrade.

Sl. No.	Tender Reference	Instead Of	Read As
	<u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u>		
34	<u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u> <u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u>	16. Should have battery backup of 2 hours or more.	16. Should have battery backup of <b>1 hour or more.</b>
35	<u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u> <u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u>	21. Should have inbuilt thermal recorder.	21. Shall have thermal recorder (optional).
36	<u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u>	3. 5 lead wire - 2 Nos	3. Deleted

Sl. No.	Tender Reference	Instead Of	Read As
	<p><b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b></p> <p><b>Scope of Supply must include:</b></p>		
37	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b></p> <p><b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b></p> <p><b>Scope of Supply must include:</b></p>	9. Disposable IBP Transducers- 5 Nos	9. Disposable IBP Transducers- <b>10 Nos.</b>
38	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b></p> <p><b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b></p> <p><b>Scope of Supply must include:</b></p>	12. Wall mount bracket with cables holder for mounting the monitors should be provided.	<b>12. Deleted</b>

<b>Sl. No.</b>	<b>Tender Reference</b>	<b>Instead Of</b>	<b>Read As</b>
39	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for</u></b>  <b><u>Multiparameter Patient Monitor</u></b>  <b><u>ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b></p> <p><b>Scope of Supply must include:</b></p>		<p>Add the following point after 11</p> <p><b>12. Disposable ECG electrodes – 200 Nos.</b></p>

b) The following clarification is issued:

<b>Sl. No.</b>	<b>Tender Reference</b>	<b>Amendment Requested</b>	<b>Clarification issued</b>
1	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specification for Multi Para Monitor with</u></b>  <b><u>ETCO2 &amp; IBP</u></b>  <b><u>(Lot/Contract no.1)</u></b></p> <p>1. Should have the following parameters – ECG + SpO2(with ability to work in low perfusion and identify Pleth Variability Index), + NIBP+ Resp + Temp (Dual) + IBP (dual) + EtCO2.</p>	<p>i) Requested to amend as, Should have the following parameters – ECG + SpO2(with ability to work in low perfusion and identify Pleth Variability Index)/ PI (perfusion index), + NIBP+ Resp + Temp (Dual) + IBP (dual) + EtCO2.</p> <p>ii) Requested to amend as, Should have the following parameters – ECG + SpO2(with ability to work in low perfusion using masimo or nellcor technology), + NIBP+ Resp + Temp (Dual) + IBP (dual) + EtCO2.</p> <p>iii) Requested to amend as, Should have the following</p>	<p>No change. Hence published specification prevails.</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
		parameters – ECG + SpO2+ NIBP+ Resp + Temp (Dual) + IBP (dual) + EtCO2.	
2	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specification for Multi Para Monitor with ETCO2 &amp; IBP (Lot/Contract no.1)</u></b></p> <p>5. Should have ECG including, Heart Rate, 6 Channel ECG Waveforms, ST segment Analysis, Arrhythmia Analysis. Optional features: Advanced softwares like ST mapping, QT Analysis, HRV analysis, Oxygenation, Renal Calculations &amp; Drug Dose Calculation.</p>	<p>i) Requested to amend as, Should have ECG including, Heart Rate, 6 Channel ECG Waveforms, ST segment Analysis, Arrhythmia Analysis. Optional features: Advanced softwares like ST analysis, QT Analysis, HR analysis, 24 hrs of ECG and NIBP summary hemodynamic calculation &amp; Drug Dose Calculation.</p> <p>ii) Requested to amend as, Should have ECG including, Heart Rate, 3,5 and 12 lead ECG Waveforms, ST segment Analysis, Arrhythmia Analysis like Asystole, tachy, brady, Vtach, Ext tachy, irregular RR, VPC run, R on T, multiform, Freq VPC etc, no pacemaker pulse, pacemaker spike detection, drug dose calculation and oxy-crg as standard feature.</p>	No change. Hence published specification prevails.
3	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specification for Multi Para Monitor with ETCO2 &amp; IBP (Lot/Contract no.1)</u></b></p> <p>6. Should have Oxygen saturation (with ability to work in low perfusion and identify Pleth Variability Index) including oxygen saturation, pulse rate, pulse</p>	<p>i) Requested to amend as, should have oxygen saturation (masimo or equivalent technology) including oxygen saturation, pulse rate, pulse wave and PI – perfusion index.</p> <p>ii) Requested to amend as, Should have Oxygen saturation (with ability to work in low perfusion using masimo or nellcor technology) including oxygen saturation, pulse rate, pulse wave.</p>	No change. Hence published specification prevails.

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	wave.	iii) Requested to amend as, Should have Oxygen saturation including oxygen saturation, pulse rate, pulse wave.	
4	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b></p> <p><b><u>Technical Specification for Multi Para Monitor with ETCO2 &amp; IBP (Lot/Contract no.1)</u></b></p> <p>11.EtCo2 is to be of side stream technology.</p>	Requested to amend as, EtCo2 is to be of side stream or main stream technology.	No change. Hence published specification prevails.
5	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b></p> <p><b><u>Technical Specification for Multi Para Monitor with ETCO2 &amp; IBP (Lot/Contract no.1)</u></b></p> <p><b>Scope of Supply must include:</b></p> <p>a) Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion and identify Pleth Variability Index), Dual Temp, NIBP, Two IBP, inbuilt battery - 1 No.</p>	<p>i) Requested to amend as, Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion and identify Pleth Variability Index)/ PI perfusion index, Dual Temp, NIBP, Two IBP, inbuilt battery - 1 No.</p> <p>ii) Requested to amend as, Basic unit with ECG, Resp, SpO2, Dual Temp, NIBP, Two IBP, inbuilt battery - 1 No.</p>	No change. Hence published specification prevails.
6	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b></p>	Requested to amend as, mainstream EtCO2 should have facility for intubated and non intubated patients.	No change. Hence published specification prevails.



Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	<p><b><u>Technical Specification for Multi Para Monitor with ETCO2 &amp; IBP (Lot/Contract no.1)</u></b></p> <p><b>Scope of Supply must include:</b></p> <p>j.Side stream ETCO2 accessories including water trap collection tube – 50 Nos.</p>		
7	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications</u></b></p> <p><b><u>Technical Specification for Multi Para Monitor with ETCO2 &amp; IBP (Lot/Contract no.1)</u></b></p>	<p>Requested to add the following point, Should have the following interface:</p> <ul style="list-style-type: none"> <li>a. VGA/HDMI output for video display</li> <li>b. Defibrillator</li> <li>c. SD card storage and USB port for charging purpose.</li> </ul>	<p>No change. Hence published specification prevails.</p>
8	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3.Technical Specifications</u></b></p> <p><b><u>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p>2. Advanced Modular Patient monitor having integrated basic measurements &amp; features with capability to provide additional clinical measurements by attaching interchangeable</p>	<p>Requested to amend as, Advanced Modular Patient monitor having integrated basic measurements with minimum 6 slot module rack and future upgradeable with capability to provide additional clinical measurements by attaching interchangeable single/dual/multi-parameter modules/servers.</p>	<p>No change. Hence published specification prevails.</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	single/dual/multi-parameter modules/servers.		
9	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3.Technical Specifications</u></b>  <b><u>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p>3.The monitors should have a bright, highly visible, minimum 15 inch colour touch display for easy viewing from a distance in a large intensive care unit.</p>	Requested to amend as, The monitors should have a bright, highly visible, minimum 18 inch colour touch display for easy viewing from a distance in a large intensive care unit.	No change. Hence published specification prevails.
10	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3.Technical Specifications</u></b>  <b><u>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p>5.Should have the capability to display at least 8 real time waveforms along with related numerical parameters on a single screen.</p>	Requested to amend as, Should have the capability to display at least 10 real time waveforms along with related numerical parameters on a single screen.	No change. Hence published specification prevails.

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
11	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3.Technical Specifications Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p>6.The Monitor should have a 12 lead ECG display (simultaneous) with capability to derive 12 leads with 5 lead ECG cable only with graphical representation of 12 lead ST segment analysis.</p>	<p>Requested to amend as, the Monitor should have a 12 lead ECG display (simultaneous) with capability to derive 12 leads with 5/6 lead ECG cable only with graphical representation of 12 lead ST segment analysis.</p> <p>ii) Requested to amend as, Should have ECG including, Heart Rate, 3,5 and 12 lead ECG Waveforms, ST segment Analysis, Arrhythmia Analysis like Asystole, tachy, brady, Vtach, Ext tachy, irregular RR, VPC run, R on T, multiform, Freq VPC etc, no pacemaker pulse, pacemaker spike detection, drug dose calculation and oxy-crg as standard feature.</p> <p>ii)Requested to amend as, The Monitor should have a 12 lead ECG display (simultaneous) with capability to derive 12 leads with 10 lead ECG cable only.</p>	<p>No change. Hence published specification prevails.</p>
12	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3.Technical Specifications Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p>9.Each monitor should have the capability to monitor ECG, Respiration, NBP, SpO2(with ability to work in low perfusion and identify</p>	<p>Requested to amend as, Each monitor should have the capability to monitor ECG, Respiration, NBP, SpO2 (with ability to work in low perfusion and identify PI/PPV), IBP, EtCO2, BIS and Gas monitoring automatic detection of Anesthesia gases.</p> <p>ii)Requested to amend as, Each monitor should have the capability to monitor ECG, Respiration, NBP, SpO2, IBP, EtCO2, BIS and Gas monitoring automatic detection of Anesthesia</p>	<p>No change. Hence published specification prevails.</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	Pleth Variability Index), IBP, EtCO2, BIS and Gas monitoring automatic detection of Anesthesia gases.	gases.	
13	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3.Technical Specifications Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p>14. It should have Pleth variability Index (PVI) as standard to monitor fluid responsiveness of patients non-invasively.</p>	<p>i)Requested to amend as, It should have Pleth variability Index (PVI)/ PPV/ Equivalent as standard to monitor fluid responsiveness of patients non-invasively.</p> <p>ii) Requested to amend as, It should have Pulse pressure variation (PPV) as standard to monitor fluid responsiveness of patients non – invasively.</p>	No change. Hence published specification prevails.
14	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3.Technical Specifications Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor (Lot/Contract no.2)</u></b></p> <p><b>Scope of Supply must include:</b></p> <p>a. Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion and identify Pleth Variability Index), Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No.</p>	<p>i)Requested to amend as, Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion and identify PI/PPV), Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No.</p> <p>ii)Requested to amend as, Basic unit with ECG, Resp, SpO2, Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No.</p>	No change. Hence published specification prevails.

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
15	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3.Technical Specifications</u></b>  <b><u>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor</u></b>  <b><u>(Lot/Contract no.2)</u></b></p> <p><b>Scope of Supply must include:</b></p> <p>I. Side stream ETCO2 accessories including water trap collection tube – 50 Nos.</p>	<p>i) Requested to clarify the quantity of water traps and collection tube.</p> <p>ii) Requested to amend as, mainstream ETCO2 should have facility for intubated and non-intubated patients.</p>	<p>Should supply 50 Nos. of water trap and collection tube.</p>
16	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3.Technical Specifications</u></b>  <b><u>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor</u></b>  <b><u>(Lot/Contract no.2)</u></b></p>	<p>Requested to add the following point,</p> <p>i. should have facility for online guide for staff training purpose.</p> <p>ii. should have info graphic to guide user for any technical alarms.</p>	<p>No change. Hence published specification prevails.</p>
17	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3.Technical Specifications</u></b>  <b><u>Technical Specification for Multipara Monitor with IBP, ETCO2, CO, BIS MODULE &amp; AGM With Slave Monitor</u></b>  <b><u>(Lot/Contract no.2)</u></b></p>		
18	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b></p>	<p>Requested to amend as, Should have ECG including, Heart Rate, ST segment Analysis, Arrhythmia</p>	<p>No change. Hence published</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	<p><b><u>3. Technical Specifications</u></b>  <b><u>Technical Specification for Multipara Monitor (Lot/Contract no.3)</u></b></p> <p>1. Should have ECG including, Heart Rate, ST segment Analysis, Arrhythmia Analysis.</p>	<p>Analysis. Advanced softwares like ST analysis, QT Analysis, HR analysis, 24 hrs of ECG and NIBP summary hemodynamic calculation &amp; Drug Dose Calculation.</p>	<p>specification prevails.</p>
19	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specification for Multipara Monitor (Lot/Contract no.3)</u></b></p>	<p>Requested to add the following point,  Should have the following interface:  a. VGA/HDMI output for video display  b. Defibrillator  c. SD card storage and USB port for charging purpose.</p>	<p>No change. Hence published specification prevails.</p>
20	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b></p> <p>a. Should be suitable for adult, pediatrics and neonatal patients monitoring.</p>	<p>Requested to amend as, Should be modular and suitable for adult, pediatrics and neonatal patients monitoring.</p>	<p>No change. Hence published specification prevails.</p>
21	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b></p>	<p>i)Requested to amend as, Should monitor ECG, Respiration, NIBP, SpO2 (with ability to work in low perfusion and identify PVI/PI), Dual Temperature, Three IBP, AGM, BIS as standard.</p>	<p>No change. Hence published specification prevails.</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	<p><b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b></p> <p>b. Should monitor ECG, Respiration, NIBP, SpO2(with ability to work in low perfusion and identify Pleth Variability Index), Dual Temperature, Three IBP, AGM, BIS as standard.</p>	<p>ii) Requested to amend as, Should monitor ECG, Respiration, NIBP, SpO2, Dual Temperature, Three IBP, AGM, BIS as standard.</p>	
22	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b></p> <p>q.Should be able to display parameters, waveforms and loops on monitor from Ventilator/ Anesthesia machines.</p>	<p>Requested to amend as, Should be able to display parameters, waveforms and loops/ numerics on monitor from Ventilator/ Anesthesia machines.</p>	<p>No change. Hence published specification prevails.</p>
23	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I 3. Technical Specifications Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b></p> <p><b><u>1. ECG</u></b> -Range: 15 to 350bpm</p>	<p>Requested to amend as, Range: 15 to 300 bpm</p>	<p>No change. Hence published specification prevails.</p>
24	<p><b><u>Corrigendum Dt. 30.01.2023</u></b></p>	<p>i)Requested to amend as, Should have ability to work in low</p>	<p>No change. Hence published</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	<p><b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>  <b>3. SpO2</b>  Should have ability to work in low perfusion and identify Pleth Variability Index</p>	<p>perfusion and identify PVI/PI.</p> <p>ii)Requested to amend as, Should have ability to work in low perfusion.  -M/s. MM Medical Systems</p>	<p>specification prevails.</p>
25	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>  <b><u>6. Dual Temperature</u></b>  Should be able to display Rectal &amp; skin temp and range: 0 to 50 DegC</p>	<p>Requested to amend as, Should be able to display Rectal &amp; skin temp and range: 0 to 45 DegC.</p>	<p>No change. Hence published specification prevails.</p>
26	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>  <b><u>7.AGM</u></b>  Should be inbuilt or in the form of module.</p>	<p>Requested to amend as, Should be in the form of plug and play module – interchangeable without any software/ password.</p>	<p>No change. Hence published specification prevails.</p>
27	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b></p>	<p>Requested to amend as, Should be in the form of plug and play module – interchangeable without any software/ password.</p>	<p>No change. Hence published specification prevails.</p>



Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	<p><b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>  <b><u>8. Bispectral Index Monitoring</u></b>            Should be inbuilt or in the form of module.</p>		
28	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b>            EtCO2 should be of side stream technology.</p>	<p>Requested to amend as, EtCO2 should be of side stream or main stream technology.</p>	<p>No change. Hence published specification prevails.</p>
29	<p><b><u>Corrigendum Dt. 30.01.2023 Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2with AGM and BIS Module (Lot/Contract no.4)</u></b>   <b>Scope of Supply must include:</b>            a) Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion and identify</p>	<p>Requested to amend as, Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion and identify PVI/PI), Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No</p> <p>ii)Requested to amend as, Basic unit with ECG, Resp, SpO2, Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No.</p>	<p>No change. Hence published specification prevails.</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	Pleth Variability Index), Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No		
30	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Patient Monitor with IBP &amp; ETCO2 with AGM and BIS Module (Lot/Contract no.4)</u></b></p>	<p>Requested to add the following point,  i. should have facility for online guide for staff training purpose.  ii. should have info graphic to guide user for any technical alarms.</p>	<p>No change.  Hence published specification prevails.</p>
31	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/Contract no.5)</u></b></p> <p>1. Should be suitable for adult, paediatric neonatal patients monitoring.</p>	<p>Requested to amend as, Should be modular and suitable for adult, paediatric neonatal patients monitoring.</p>	<p>No change.  Hence published specification prevails.</p>
32	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/Contract no.5)</u></b></p> <p>2. Should monitor ECG, Respiration, NIBP, SpO2(with</p>	<p>i) Requested to amend as, Should monitor ECG, Respiration, NIBP, SpO2(with ability to work in low perfusion and identify PVI/PI), Dual Temperature, Three IBP, AGM as standard.</p> <p>ii) Requested to amend as, Should monitor ECG, Respiration, NIBP, SpO2, Dual Temperature, Three IBP, AGM as standard.</p>	<p>No change.  Hence published specification prevails.</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	ability to work in low perfusion and identify Pleth Variability Index), Dual Temperature, Three IBP, AGM as standard.		
33	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b></p> <p>3.Should have ST analysis, Arrhythmia detection, pacer spike detection, Drug Dose Calculation</p>	Requested to amend as, Should have ST analysis, Multi lead ECG algorithm, Arrhythmia detection, pacer spike detection, QT/QTc interval monitoring, Drug Dose Calculation.	No change. Hence published specification prevails.
34	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b></p> <p>18.Should be able to display parameters, waveform and loops on monitors from Ventilator / Anesthesia machines</p>	Requested to amend as, Should be able to display parameters, waveform and loops/ numerics on monitors from Ventilator / Anesthesia machines.	No change. Hence published specification prevails.
35	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient</u></b></p>	Requested to amend as, Range: 15 to 300bpm	No change. Hence published specification prevails.

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	<p><b><u>Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b>  <b><u>1. ECG</u></b>  Range: 15 to 350bpm</p>		
36	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b>  <b><u>3. SpO2</u></b>  -Should have ability to work in low perfusion and identify Pleth Variability Index</p>	<p>Requested to amend as, Should have ability to work in low perfusion and identify PVI/PI.</p> <p>ii)Requested to amend as, Should have ability to work in low perfusion.</p>	<p>No change. Hence published specification prevails.</p>
37	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b>  <b><u>5.Dual Temperature</u></b>  Should be able to display Rectal &amp; Skin temp and range: 0 to 50 Deg C</p>	<p>Requested to amend as, Should be able to display Rectal &amp; Skin temp and range: 0 to 45 Deg C</p>	<p>No change. Hence published specification prevails.</p>
38	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b>  EtCO2 should be of side stream technology.</p>	<p>Requested to amend as, EtCO2 should be of side stream or main stream technology.</p>	<p>No change. Hence published specification prevails.</p>
39	<p><b><u>Corrigendum Dt. 30.01.2023</u></b></p>	<p>Requested to amend as, Basic unit with ECG, Resp, SpO2(with</p>	<p>No change. Hence published</p>

Sl. No.	Tender Reference	Amendment Requested	Clarification issued
	<p><b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b>  <b>Scope of Supply must include:</b>            1. Basic unit with ECG, Resp, SpO2(with ability to work in low perfusion and identify Pleth Variability Index), Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No.</p>	<p>ability to work in low perfusion and identify PVI/PI) Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No.</p> <p>ii)Requested to amend as, Basic unit with ECG, Resp, SpO2, Dual Temp, NIBP, Three IBP, inbuilt battery - 1 No.</p>	<p>specification prevails.</p>
40	<p><b><u>Corrigendum Dt. 30.01.2023</u></b>  <b><u>Annexure I</u></b>  <b><u>3. Technical Specifications</u></b>  <b><u>Technical Specifications for Multiparameter Patient Monitor ETCO2, IBP and AGM (Lot/ Contract no.5)</u></b></p>	<p>Requested to add the following points:            i. should have facility for online guide for staff training purpose.            ii. should have info graphic to guide user for any technical alarms.</p>	<p>No change. Hence published specification prevails.</p>

All other terms and conditions of the tender remain unaltered.

The above forms part of the bidding documents. The bidder shall upload the copy of this corrigendum duly signed by their authorized signatory, along with their bid.

Sd/-  
**General Manger (E)**