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No.: AIIMS/R/CS/GENMEDI/MICU/GTE/25

Date: 05-03-2026

Corrigendum

Sub.: GeM bid for supply and Installation of **ICU Ventilator with Integrated Metabolic Monitoring / Automatic Closed Loop Weaning With PAV (Proportional Assist Ventilation)** for the department of General Medicine of All India Institute of Medical Science Raipur.

Ref.: Tender ID no.: 2025_IMSRP_872010_1, Dt.: 05-08-2025.

In context to following notice is issued against subject:

S No.	Page No. & Point No. in NIT	Existing Specifications	To Be Read As
1	Page No.45 Point No.1	Should be a microprocessor- Controlled ventilator with minimum of 12" colour TFT touch screen integrated graphics and easy to use rotary knob operation providing support to Adult/pediatric and field upgradable to infant/neonatal patient range having capacity to dial tidal volume from 2ml to 2000ml	Should be a microprocessor- Controlled ventilator with minimum of 12-15.6" colour TFT touch screen integrated graphics and easy to use rotary knob operation providing support to Adult /pediatric and field upgradable to infant /neonatal patient range having capacity to dial tidal volume from 2ml to 2000ml
2	Page No.45 Point No.7	Non-Invasive modes like NIV & NIV-ST should be available as standard	Non-Invasive modes should be available as standard
3	Page No.45 Point No.8	Machine should have Advanced close loop control mode with minimum input setting with optimal breathing pattern based on lowest work of breathing & minimum force of breathing principle or equivalent mode like PAV / NAVA / SMARTCARE / ASV	Machine should have Advanced close loop control mode with minimum input setting with optimal breathing pattern based on lowest work of breathing & minimum force of breathing principle or equivalent mode like PAV / NAVA / SMARTCARE / ASV/MMV (White Papers to be submitted with technical bid)
4	Page No.45 Point No.11	All the Ventilators should be upgradable for SPO2 & volumetric capnography (mainstream EtCO2) 4 Ventilators out of the total quantity should be provided with volumetric capnography measurement facility & SPO2 measurement.	All the Ventilators should be upgradable for volumetric capnography (mainstream EtCO2). 4 Ventilators out of the total quantity should be provided with volumetric capnography measurement facility
5	Page No.45 Point No.13	All the ventilators should be upgradable to High- Flow Oxygen Therapy. 4 Ventilators out of the total quantity should be provided with High- Flow Oxygen Therapy	All the ventilators should be provided with High- Flow Oxygen Therapy.
6	Page No.45 Point No.14	All the Ventilator should be supplied with disposable, USB operated, independent of flow Aeronob nebuliser. It should follow vibrating mesh technology to produce <4 micron uniform particle size to avoid drug wastage	All the Ventilator should be supplied with disposable inbuilt / external , USB operated, independent of flow Aeronob nebuliser. It should follow vibrating mesh technology to produce <4 micron uniform particle size to avoid drug wastage
CONTROLS :			

7	Page No.45 Point No.15	Tidal volume should be minimum 20 ml to 2000 ml in Volume Control Mode or better	Tidal volume should be minimum 40 ml to 2000 ml in Volume Control Mode or better
8	Page No.45 Point No.17	Respiratory rates 4 to 150 BPM or better,	Respiratory rates for Adult: 5 - 80 BPM or better ; In case of upgrade to neonatal ventilation, Respiratory Rate should be Neonatal: 5-150 BPM or better
9	Page No.45 Point No.18	Peak flow setting from 0 to 240 lpm or better	Peak flow setting from 0 to 180 lpm or better
10	Page No.45 Point No.19	Trigger sensitivity:- Flow 1 to 20 l/min	Trigger sensitivity:- Flow 1 to 15 l/min
11	Page No.45 Point No.23	Inspiratory time (TI) 1 to 12 s	Inspiratory time (TI) 1 to 10 s or better
12	Page No.45 Point No.25	Pressure support 0 to 60 cmH ₂ O, added to PEEP/CPAP	Pressure support 0 to 40 cmH₂O , added to PEEP/CPAP
DISPLAY :			
14	Page No.46 Point No.35	Should have Real-time waveforms Paw, Flow, Volume, Ptrachea (Optional)	Should have Real-time waveforms Paw, Flow, Volume.
15	Page No.46 Point No.44	Internal rechargeable battery with minimum operating time of at least 3 hours for complete Ventilator including inbuilt or external compressor should be supplied.	Internal rechargeable battery with minimum operating time of at least 2-3 hours for complete Ventilator including inbuilt or external compressor should be supplied.
16	Page No.46 Point No.46	Should have Interface connectors USB, RS -232 as standard.	Should have Interface connectors USB, RS -232 / RJ-45 as standard.
CERTIFICATIONS – TO BE ENCLOSED WITH TECHNICAL BID.			
17	Page No.46 Point No.49	Ventilator including internal turbine / external compressor & Humidifier should be BIS / “European CE & US FDA” approved and manufacturer should be ISO (latest) certified.	Ventilator including internal turbine / external compressor & Humidifier should be BIS / “European CE approved by 4 digit notified body & US FDA” approved and manufacturer should be ISO (latest) certified.
18	Page No.47 Point No.50	Ventilator Should be IEC 60601-1:2005/A1:2012, IEC 60601-1-2:2007, ISO 80601-2-12:2011 + Cor.:2011, CAN/CSA-C22.2 No. 60601-1:14, ANSI/AAMI ES60601-1:2005/(R)2012 certified.	Ventilator Should be IEC 60601-1:2005/A1:2012, IEC 60601-1-2:2007, ISO 80601-2-12:2011 + Cor.:2011. CAN/CSA-C22.2 No. 60601-1:14, ANSI/AAMI ES60601-1:2005/(R)2012 certified or equivalent
General Conditions			
19	Page No.34 Point No.15.2	<p>Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Site Modification work and it will also cover the following wherever applicable:-</p> <ol style="list-style-type: none"> 1) Any kind of motor. 2) Plastic & Glass Parts against any manufacturing defects. 3) All kind of sensors. 4) All kind of coils, probes and transducers. 5) Printers and imagers including laser and thermal printers with all parts. 6) UPS including the replacement of batteries. 7) Air-conditioners 8) Replacement and repair will be under taken for the defective goods. 9) All kinds of painting, civil, HVAC, mechanical and electrical work 10) Proper marking has to be made for all spares for identification like printing of installation and repair dates. 	<p>Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Site Modification work and it will also cover the following wherever applicable:-</p> <ol style="list-style-type: none"> 1) Any kind of motor. 2) Plastic & Glass Parts against any manufacturing defects. 3) All kind of sensors except those having defined life such as O2 Cell & Flow sensor. 4) All kind of coils, probes and transducers. 5) Printers and imagers including laser and thermal printers with all parts. 6) UPS including the replacement of batteries. – Point Deleted 7) Air-conditioners 8) Replacement and repair will be under taken for the defective goods. 9) All kinds of painting, civil, HVAC, mechanical and electrical work 10) Proper marking has to be made for all spares for identification like printing of installation and repair dates.

Additional Point to be added		
20		Price for all the consumables & upgradable softwares mentioned in the list below should be quoted along with the tender. The rates shall be freezed for next 10 years.
	Accessories (for Rate Freeze for 5 years)	Price
a	Battery with 6 month warranty	
b	HME filter - 1 piece	
c	Autoclavable Expiratory valve assembly (adult / paed) - 1 piece	
d	Autoclavable Expiratory valve membrane (Box of 5)	
e	Disposable heated breathing circuit with flow sensors - (Box of 15)	
f	Humidifier - 1 piece	
g	Flow sensor (pack of 10) - Adult / Paed - 1 pack of 10 pieces	
h	breathing circuit with flow sensor- 1 piece - (Box of 20)	
i	Aeroneb (vibrating mesh) nebuliser with power cable - 1 piece	
j	Accessories set for the above mesh nebuliser to be used with ventilator - 1 set (Box of 10)	
k	Accessories set for the above mesh nebuliser to be used for spontaneous patients – 1 set (Box of 10)	
l	LPO Connector - 1 piece	
m	Hepa filter - 1 piece	
n	Dust filter - 1 piece	
o	O2 sensor - 1 piece	
p	Upgrade for Advanced ventilation mode along with necessary hardwares - 1 such	
q	Upgrade for volumetric capnography (mainstream EtCO2) along with necessary hardwares - 1 such	
r	Upgrade for Ventilation Protection for lung recruitment along with necessary hardwares - 1 such	
s	Upgrade for High flow oxygen therapy along with necessary hardwares - 1 such	
t	Upgrade for Neonatal Ventilation along with necessary hardwares - 1 such	
u	Upgrade for nCPAP along with required consumables & hardwares - 1 such	
v	Any other consumable required to run the ventilator	

**Stores Officer (CP),
AIIMS, Raipur (CG)**