



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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SUPPLY AND COMMISSIONING OF MEDICAL EQUIPMENT AT MEDICAL COLLEGE AND HOSPITAL OF THE GOVERNMENT OF WEST BENGAL (Group 1).

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 216/2018

Dated-12.10.2018

The following amendments have been made in the tender document,

Amendment –VIII (Revision of Technical Specification)

The revised technical specifications for the item is given below,

VENTILATOR

Parameter / Feature	Threshold Limit / Range
Ventilator display size (diagonal) in inch	10 or more
Ventilator Tidal Volume in ml	(30 - 2000) or more
Pressure (Insp.) in cm H ₂ O	(0-60) or more
Respiratory Rate breaths per minute	(4 - 60) or more
PEEP in cm of H ₂ O	(0 - 20) or more

FiO ₂	0.2 - 1
Pause time in percentage of breath cycle time.	(0-30) or more
Pressure Trigger in cm of H ₂ O OR Flow Trigger in LPM	(0-20) or more OR (0.5 – 6) or more
Inspiratory rise time in percentage of breath cycle time or equivalent in second.	0-20
I:E ratio with provision for inverse ratio ventilation.	1:1.5 – 1:3
Ti equivalent time in percentage of breath cycle time	10-80
Peak Output Flow IN LPM	140 or more
MUST HAVE SPECIFICATION	
Parameter / Feature	Yes / No
The ventilator should be compressor / turbine driven. It should have US FDA approved Compressor / turbine.	
Monitoring of the following parameters : Airway Pressure (Peak, Plateau & Mean) , Tidal Volume (inspiratory & Expiratory)	
Alarms for all measured & monitored parameters	
Modes of Ventilator : Volume Cycled Ventilation : Assist / Controlled / SIMV, Pressure Controlled: Assist / Controlled / SIMV, CPAP/PSV	
Advanced modes of Ventilation: Lung Protection APRP, PRVC	
Apnea / Back-up ventilation	
Audio visual alarm for: Airway Pressure ,High continuous Pressure , FiO ₂ ,Expired minute volume, Apnea , End expiratory pressure , Respiratory rate , Gas Failure	
Automatic Patient Detection facility.	
Suitable for adult & pediatric age group patients.	
Hinged arm holder for holding.	
Automatic compliance & leakage compensation for circuit and artificial airway.	
Inbuilt nebulizer facility	

US FDA and European CE ("Conformité Européene") approved Heated Humidifier with circuit	
Consumable	
Breathing Circuit (Autoclavable) Adult : 2 nos. Paediatric : 2 nos.	
Electrical Safety and Quality Certification	
Standard & safety certification (European CE and US FDA approved)	