

## **Notice Inviting e-Tender**

**West Bengal Medical Services Corporation Limited**

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**Kolkata-700091**

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Supply and Commissioning of 01 (one) unit of Anaesthesia Work station for a new OT of  
Dr. R. Ahmed Dental College & Hospital

(Submission of Bid through online)

Bid Reference No.: WBMSCL/NIT-1027/2025

Dated-13.12.2025

### **AMENDMENT-I**

### **Revised Technical Specifications**

### **Of Aneasthesia Work Station**

Parameter / Feature	Threshold Limit / Range
Battery back up in minutes	60 or more
Gas flow in liter	(0.15 - 10) or more
Vaporizer flow range in liter/minutes	(0.2 -15) or more

Parameter / Feature	Threshold Limit / Range
Vaporizer chamber capacity in ml.	225 or more
Ventilator TFT/LED displays size (diagonal) in inch.	8 or more
Ventilator Tidal Volume in ml.	(20 -1400) or more
Ventilator frequency in breaths/minutes	(4 - 50) or more
Ventilator I:E ratio	(4:1 - 1:4) or more
Ventilator inspiratory pause in % of Time	Upto 60
Ventilator PEEP in cm H <sub>2</sub> O	(1-20) or more
Ventilator pressure limit in cm H <sub>2</sub> O	(5-60) or more
Soda lime capacity in liters	(1 -2) or more
Drawers non lockable	2 or more
Provision for vaporizer	2 or more

Parameter / Feature	Threshold Limit / Range
Vaporizer (SEVOFLURANE)	1
<b>MUST HAVE SPECIFICATION</b>	
Parameter / Feature	Yes
Provision for delivery of oxygen, nitrous oxide and medical air	Yes
Circle absorber, ventilator and vaporizer	Yes
Independent attachments and for connecting central gas and pin indexed cylinders	Yes
Non interchangeable pipe line hose	Yes
Large size pressure gauge / Digital Display	Yes
Integrated independent oxygen flow meter	Optional
Quick availability of gases on the time of machine on/off	Yes
Selector switch be there for open and close circuit	Yes
The common gas outlet mounted at front of the machine	Yes
Writing table/work surface	Yes
Top shelf	Yes
N <sub>2</sub> O cut off facility if O <sub>2</sub> supply fails	Yes
O <sub>2</sub> failure alarm both visual and audible	Yes
Availability of O <sub>2</sub> flush bypassing vaporizer	Yes
Visual display of individual gases	Yes
Maintenance free vaporizer for the life of the product	Yes
Pneumatically / Electrically driven and electronically controlled Ventilator	Yes
Control of ventilator parameter by touch screen and rotary dial	Yes
Availability of VCV, PCV, SIMV, spontaneous/pressure support,	Yes

Parameter / Feature	Threshold Limit / Range
manual modes.	
Flow triggered (0.5 – 10 liters) assist mode	Yes
Leak compensation	Yes
User adjustable alarms for major parameters	Yes
User adjustable apnea alarms	Yes
Display of patient loop (Pressure & Volume) and wave form (flow /volume and air way pressure), CO2 wave form.	Yes
Display of compliance and resistance	Yes
Separate flow sensor for inspiratory and expiratory breathing path	Yes
Reusable & autoclavable type volume measurement sensor	Yes
Latex free and autoclavable breathing system except O <sub>2</sub> sensor with mask:  Adult - 2 nos., Paediatric - 2 nos.	Yes
EtCO <sub>2</sub> Sampling Line with T Connector: 50 nos.	Yes
Upside down and clearly visible bellows / piston	Yes
Provision for low flow anaesthesia	Yes
Paramagnetic / Galvanic O <sub>2</sub> sensor	Yes
Anaesthesia Gas Monitoring Module ; The bidder/ OEM should have valid CDSCO Certificate / Registration / License for both the manufacturer(s) and importer(s) as applicable	Yes
Electrical Safety and Certification	Yes
The bidder/ OEM should have valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable	Yes