

Annexure-I

MICU Equipment Tender Original Document Varification

SI No	Criteria	AI-Med Equipments Mumbai	Cardiac Design Labs Pvt. Ltd Bangalore	Surgicon Enterprises Dharwad	Varada Enterprises Dharwad	Net Route Solutions Bangalore	Shivon India Bangalore	Minerva Healthcare & Scientific Pvt. Ltd Harihar
1	EMD	Exempted	40,000.00	12,500.00	12,500.00	Exempted	1,03,000.00	Exempted
2	PAN Card of Bidder	ANRPS0235M	AAECC6016D		ALHPK7326H	AAKFN8774A	AGHPM3957B	AAFCM2283H
3	GST Registration Certificate	27ANRPS0235M2ZE	29AAECC6016DIZY	29ANBPK6675R1Z1	29ALHPK7326H1ZU	29AAKFN8774A1ZA	29AGHPM3957B1ZA	29AAFCM2283H1ZA
4	Sales Tax / GST Clearance Certificate	GST cleared upto Dec- 2020	GST Cleared upto 31/03/2020	GST cleared upto 04/2019	GST cleared upto 06/2020	Not Uploaded	GST cleared upto 2020-21	GST Cleared 03/2020
	2017-18							
	2018-19							
	2019-20							
5	I.T. Returns							
	2017-18	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
	2018-19	Uploaded	Uploaded	Uploaded	Uploaded	Shown	Uploaded	Uploaded
	2019-20	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Not Shown	Uploaded
6	Balance Sheet							
	2017-18	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
	2018-19	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded
	2019-20	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded
7	Profit & Loss Account							
	2017-18	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
	2018-19	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
	2019-20	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
8	Annual Turnover							
	2017-18	97.69 Lakhs	40.85 Lakhs	203.42 Lakhs	443.00 Lakhs	Not Uploaded	173.24 Lakhs	147.22 Lakhs
	2018-19	377.27 Lakhs	53.17 Lakhs	239.22 Lakhs	452.50 Lakhs		269.52 Lakhs	111.25 Lakhs
	2019-20	459.76 Lakhs	83.96 Lakhs	167.15 Lakhs	684.97 Lakhs		140.48 Lakhs	91.19 Lakhs
Certificate of Incorporation	Uploaded	Uploaded	Vat Reg. Shown	Uploaded	Not Uploaded		Uploaded	Uploaded
10	Tender offer Form	Submitted	Submitted	Submitted	Submitted	Not Uploaded	Submitted	Submitted
11	Tender Declaration Form.	Submitted	Submitted	Submitted	Submitted	Not Uploaded	Submitted	Submitted
12	SSI issued by Commerce Dept.	Uploaded	Uploaded	NA	Uploaded	Not Uploaded	Uploaded	Uploaded
13	Import License	Uploaded	NA	NA	NA	Not Uploaded	Uploaded	NA
14	Manufacturing License	Shown	Uploaded	NA	NA	Not Uploaded	Uploaded	Uploaded

Sl No	Criteria	AI-Med Equipments Mumbai	Cardiac Design Labs Pvt. Ltd Bangalore	Surgicon Enterprises Dharwad	Varada Enterprises Dharwad	Net Route Solutions Bangalore	Shivon India Bangalore	Minerva Healthcare & Scientific Pvt. Ltd Harihar
15	Authorization by Manufacturer	NA	Uploaded	Uploaded	Shown	Not Uploaded	NA	NA
16	80% Performance Statement for manufacturer	Shown	Uploaded	Uploaded	Uploaded	Not Uploaded	Uploaded	Uploaded
17	Proof of 80% performance	Shown	Uploaded	Uploaded	Uploaded	Not Uploaded	Uploaded	Uploaded
18	30% Performance statement, for dealer.	NA	Uploaded (NA)	Uploaded	Uploaded	Not Shown	NA	Uploaded (NA)
19	Proof of 30% performance	NA	Uploaded (NA)	Uploaded	Uploaded	Not Shown	NA	Uploaded (NA)
20	End User Certificate	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
21	Equipment & Quality Control Certificate.	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
22	Technical Literatures / Broacher	Submitted	Submitted	Submitted	Uploaded	Not Shown	Uploaded	Submitted
23	Certificates CE/FDA/AERB/ISO/ISI or any other certificates required as per the tender document	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
24	List of Equipment Quoted in Tender with Seal & Signature	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded	Uploaded
25	Self Declaration stating not Black Listed in any Govt & others	Submitted	Submitted	Uploaded		Uploaded	Uploaded	Submitted
26	Documentary evidence established in accordance for Service Center in Karnataka with maintenance staff and other details.	Shown	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded
27	Self Declaration Form for Uploaded Tender Documents	Uploaded	Uploaded	Uploaded	Uploaded	Not Shown	Uploaded	Uploaded

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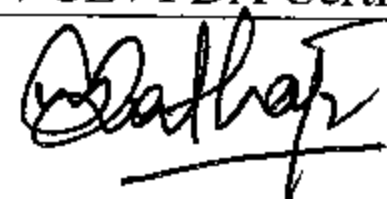
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Technical Evaluation Report

Name of the Equipment: Negative Pressure System Along With Virus Burning Unit				
Specifications			Almed Equipments	Shivon India (Video Demo)
S.No	Parts Name	Description		
1	Main Body	Ss Body 304 With 18 Guase Jindal	Responsive	Responsive
2	Blower Backward Flow	400mm,250v/1phase:Ebm/Fantech	Responsive	Responsive
3	0.3 Mm Hepa Filter	555 Mm X555mm X75 Mm Miniplate Hepa H13 Grade	Responsive	Responsive
4	Infrared Ceramide Heater	Generate Temperature Upto 700°C 1000 Wt Imorted	Responsive	Responsive
5	Electrical Consumption	750 W For Ceramic Heater 160 W For Fan, 1 Phase Intoto 910 Wt/Hr	Responsive	Responsive
6	Virus Burn Unit	Size 300 X150 Mm Along With Ceramic Air Heater And Digital Termmostate Control	Responsive	Responsive
7	Temprature Control Unit With Display	This Unit Control Air Flow Temreature Between 80-85 Degree Celcius Along With Display	Responsive	Responsive
8	Pre-Filter	590 Mm X 590 Mm X 25mm Of 3 Micron	Responsive	Responsive
9	Suction Grill	Ss 1.2 Mm Thickness 10 Mm Perforated Sheet	Responsive	Responsive
10	Exhaust Grill	Ss 1.2 Mm Thickness,10 Mm Preforted Sheet	Responsive	Responsive
11	Front Grill	Ss 1.2 Mm Thickness	Responsive	Responsive
12	Negative Air Flow Output	400 Cfm	Responsive	Responsive
13	It Should Be ISO / CE / FDA Certified.		ISO	ISO


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Technical Specifications

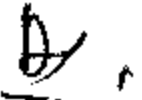
Name of the Equipment: Positive Pressure System		Almed Equipments	Shivon India (Video Demo)
Specifications			
1	It has Stainless Steel-304 Body OF 16Guage Thickness of Sheet.	Responsive	Responsive
2	Size: 610MMx610MMX500MM	Responsive	Responsive
3	Hepa Filter of 0.3Micron along with Nano Particle Coating of Silver Nitrate which is having bactericidal & Virucidal properties and Keratin removes VOC	Responsive	Responsive
4	Pre Filter of 5Micron	Responsive	Responsive
5	Backward Curved Fan of Size:400mm	Responsive	Responsive
6	Air Flow 1000CFM	Responsive	Responsive
7	Size of MINI PLATE HEPAFILTER: 590MMX590MMX75MM	Responsive	Responsive
8	SIZE OF PREFILTER: 590MMX590MMX25MM	Responsive	Responsive
9	Perforated Sheets on Front & Back side Both	Responsive	Responsive
10	It should be ISO / CE / FDA Certified.	ISO	ISO


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Name of the Equipment: Crash Cart			
Specifications		Shivon India (Video Demo)	Minerva Healthcare & Scientific Pvt Ltd (Video Demo)
1	The product should be ISO / CE Certified	Responsive	Responsive
2	Trolley should be fully epoxy powder coated	Responsive	Responsive
3	Should have 6 Alkon Drawers with bottom shelf	Responsive	Responsive
4	Monitor stand , I.V Rod , oxygen cylinder holder and pad hook should be provided	Responsive	Responsive
5	Should have 3'' wheel with 2 nos brake type	Responsive	Responsive
6	Should have 6 nos. medicine colors bins	Responsive	Responsive

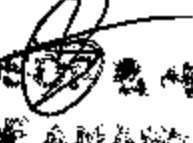
Technical Specifications


Name of the Equipment: Air Curtain				
Specifications		Shivon India (Video Demo)	Surgicon Enterprises (Video Demo)	Varada Technologies (Video Demo)
1	It should be horizontal air curtain	Responsive	Responsive	Responsive
2	Width of air curtain 5 feet /6 feet	Responsive	Responsive	Responsive
3	Height of the door 6 feet	Responsive	Responsive	Responsive
4	Suitable motor shall be used to make epective air baries	Responsive	Responsive	Responsive
5	The unit shall be fixed exactly above the door frame	Responsive	Responsive	Responsive


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Technical Specifications


Name of the Equipment: Wearable telemetric centralized patient monitoring system	Cardiac Design Lab, Bangalore
Specifications	
<ul style="list-style-type: none"> • Patient Monitoring System shall be centralized and shall have telemetric capabilities with vitals and waveforms • Vitals monitoring system with all vitals such as ECG, Heart rate, Pulse rate, respiration rate, SpO2, body temperature and blood pressure trend • Should be single integrated device • The device should be a wearable wireless battery powered device with wearable options without electrodes and with electrodes both the producing ECG and all the vitals. • Also the BP trend should be through a non-invasive and cuffless method through the PPG method • Vitals should be measured continuously for analysis and monitoring enabled through telemetry. The power draining modules like the SpO2 should be periodic and timer based. The monitoring capabilities shall be from a central location where multiple patients can be simultaneously monitored, including waveforms • System should have telemetric capabilities to monitor vitals of patients from a remote location using internet for all patients or detail views of waveforms for a specific patient. 	Responsive
Features to Support	
<ul style="list-style-type: none"> • Monitors ECG, Heart rate, Respiration Rate, SpO2, Body Temperature and Blood Pressure trend on the central station including waveforms • Worn as a belt without electrodes or classic cable with electrodes • Analyse the data in real-time and record the episodes • Generates a trend analysis of the vitals signals on a chart for review. <ul style="list-style-type: none"> • Allows for reviewing of recorded events and alarms that are automatically generated. • Allows for the patients to be monitored remotely. 	Responsive Responsive Responsive Responsive Responsive Responsive


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Physical Characteristics

Minimum Duration of wireless device running should be 40 hours (full 24/7 use)
Maximum Weight should be 200 gms including accessories

Central Monitoring Station

- Live monitoring, trend analysis, browse alarms and reporting
- Alarms and Episode recording
- Monitor patients live, View trends and alarms, Generate trend reports with ECG
- MEWS score

Remote Monitoring Application

- Live monitoring of vitals of all patients
- Detailed Waveform view for selected patient

Alarms

- Alarms for Battery Low, Lead Off, Device Off
- Clinical Alarms for vitals crossing the low and high thresholds and arrhythmias detected from the ECG

Vitals Sensors ECG

2 lead /6 Lead ECG, Arrhythmias Analysis, ST Segment Analysis, QT Analysis
Heart rate range 15 to 300 beats per minute

Heart rate accuracy Greater of $\pm 10\%$ or ± 5 bpm

Bandwidth (normal monitoring) 0.67 to 57 Hz

Bandwidth (filtered monitoring) 3 to 57 Hz

Bandwidth (ST monitoring) 0.05 to 57 Hz

Leads 2-lead and 6-lead (user-wearability)

Responsive

Responsive

Responsive

Responsive

Responsive

Responsive

Responsive


Responsive


Responsive


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Display sweep speeds 12.5, 25, and 50 mm/s
 ECG size (sensitivity) 2.0, 1.5, 1.0, 0.5 or 0.25 cm/mV or Auto
 Lead Off condition Detected and displayed

Temperature

IR temperature sensor
 Measurement range 25 to 45°C (77 to 113 °F)
 Accuracy ±0.2°C
 Heating/Cooling transient response time ≤60 sec

SpO2

Reflective Photoplethysmography
 Measurement range 0 to 100 %
 Pulse rate 30 to 300 beats per minute
 Pulse rate accuracy Greater of 5% or ±5 bpm
 Wavelength range IR LED 870 to 900 nm
 Red LED 650 to 670 nm

Respiration Rate

Trans-thoracic impedance
 Measurement range 0 to 120 r/min
 Accuracy ±5 rpm in the range of 0 to 120 rpm

Responsive

Responsive

Responsive

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ECG leads used	RA to LA		
Display sweep speeds	12.5, 25, or 50 mm/s		
Lead Off condition	Detected and displayed		
<u>Blood Pressure Trend</u>			
Cuffless non-Invasive Reflective Photoplethysmography			
Measurement range – systolic	30 mmHg to 270 mmHg (4.0 kPa to 36.0 kPa)	Responsive	
Measurement range – diastolic	10 mmHg to 245 mmHg (1.3 kPa to 32.7 kPa)		
<u>OTHER ASSOCIATED SYSTEM – QTY 1 EACH</u>			
<ul style="list-style-type: none"> • Computer: • Minimum of I5 with 4GB ram and Graphics Acceleration Card • Standard Hard drive • Windows 10 • 32/34 inch HD display • WiFi Router • Printer 			Responsive


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Technical Specifications

Name Of The Equipment: Electrical High Vacuum Suction Machine	
Specifications	
1	Should have Stainless Steel on four castor
2	Should have Vacuum Pressure With Electric motor $-700 \pm 10\text{mm Hg}$ With foot pedal $-600 \pm 10\text{mm Hg}$
3	Should have Base made of mild steel, top & panel made of rust proof & corrosion resistant moulded ABS
4	Should have Polycarbonate (Autoclavable)
5	Should have 2x2 ltrs Jar Capacity
6	Should have Vacuum Pressure $-700 \text{ mm Hg} \pm 10$
7	Suction Capacity 28 ltrs/minute, Regulable
8	Should have Rotary Pump
9	Should have Stainless Steel on four castor
10	Should have Vacuum Pressure With Electric motor $-700 \pm 10\text{mm Hg}$ With foot pedal $-600 \pm 10\text{mm Hg}$
11	Should have Base made of mild steel, top & panel made of rust proof & corrosion resistant moulded ABS
12	Should have Polycarbonate (Autoclavable)
13	Should have 2x2 ltrs Jar Capacity
14	Should have more than 26 kg
15	Should have Bacteria filter 0.3 micron
16	The product should be ISO / CE Certified

Not Quoted



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