

Dt.23.02.2022

**EVALUATION REPORT****Tender no.E762/PW/ECRP/NHM/TNMSC/ENGG/2021, Dt.06.11.2021****Online Tender for supply and installation of Whole Body Warmer with Blanket and Blood and Fluid Warmer in various Institutions Across State of Tamilnadu****Sch.no.1 Whole Body Warmer with Blanket**

Sl. No	Name of the Bidder	Responsiveness of bidders		Reason for rejection
		Technical evaluation report	Commercial evaluation report	
1	<b>M/s. Care and Care Medical Systems,</b> Make: Smiths Medical, USA, Model: Level 1 L1CW	<b>Responsive</b>	<b>Responsive</b>	-----
2	<b>M/s. Indian Surgical Equipment Co. Pvt. Ltd,</b> Make: Own manufacturer, Model: Therma STM-01	Non-Responsive	Responsive	<p>The quoted make/model not meeting the following technical points:-</p> <ul style="list-style-type: none"> <li>• Four temperature set points including ambient temperature – <u>32 - 42°C (multiple manual setting)</u>.</li> <li>• Right angle hose end with 4 rectangular openings at the hose end and hose end should have the grew to lock the blanket – <u>No right angle hose &amp; no groove to lock the blanket.</u></li> <li>• Approximate time to change the average contact surface temperature from 20°C to 36°C is 7 mins – <u>No option.</u></li> <li>• Hose can be easily detached from the warmer – <u>No.</u></li> <li>• Relative Average Noise Level at 1000 Hz (front and back): 40 dBA – 45 dBA</li> <li>• <u>Standard compliance:</u> Convective Warming Blanket Flammability: NFPA 702, 16CFR 1610, EMC: EN 60601-1-2,FCC 47 CFR Part 15, Class B, Convective Warmers: ASTM F2196-02, Drop Test Compliance: EN 60601-1 – <u>No.</u></li> <li>• Should have shipping durability of vibration and drop complaint with ISTA 1A</li> </ul>

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				<p>and 2A – <u>No</u>.</p> <ul style="list-style-type: none"> <li>• <u>Blanket specification</u>: Made of 2 layers of non-woven polypropylene fabric bonded to a layer of polyethylene – <u>synthetic / non woven no polyethylene</u>.</li> <li>• Radio-translucent and should be in pure white colour to identify difference between used and unused blanket – <u>No (blue colour)</u>.</li> <li>• Meets consumer products safety Commission’s flammable fabric regulation, 16 CFR 1610 – <u>No</u>.</li> <li>• Meet the average and maximum contact surface temperature specified in ASTM F2196.02 – <u>No</u>.</li> </ul>
3	<b>M/s. KJ Legends,</b> Make: IOB Medical Inc, USA	Non-Responsive	Non-Responsive	<p>1) The quoted make/model not meeting the following technical points:-</p> <ul style="list-style-type: none"> <li>• Four temperature set points including ambient temperature – <u>32, 38, 43°C (manual setting)</u>.</li> <li>• Right angle hose end with 4 rectangular openings at the hose end and hose end should have the grew to lock the blanket – <u>No right angle hose</u>.</li> <li>• Safety alarms such as over temperature, under temperature and hose disconnect alarm – <u>Hose disconnect alarm not functioning</u>.</li> <li>• US –FDA Approved or CE Marked and ISO Certified – <u>Not shown</u>.</li> <li>• <u>Standard compliance</u>: Convective Warming Blanket Flammability: NFPA 702, 16CFR 1610, EMC: EN 60601-1-2, FCC 47 CFR Part 15, Class B, Enclosure Protection: IEC 60529 IP Code: IPX1, Convective Warmers: ASTM F2196-02, Drop Test Compliance: EN 60601-1 – <u>No</u>.</li> <li>• Should have shipping durability of vibration and drop complaint with ISTA 1A and 2A – <u>No</u>.</li> <li>• <u>Blanket specification</u>: Made of 2 layers of non-woven polypropylene fabric bonded to</li> </ul>

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				<p>a layer of polyethylene – <u>synthetic / non woven no polyethylene</u>.</p> <ul style="list-style-type: none"> <li>• Radio-translucent and should be in pure white colour to identify difference between used and unused blanket – <u>No (blue colour)</u>.</li> <li>• Meets consumer products safety Commission’s flammable fabric regulation, 16 CFR 1610 – <u>No</u>.</li> <li>• Meet the average and maximum contact surface temperature specified in ASTM F2196.02 – <u>No</u>.</li> </ul> <p>2) Did not furnish enduser certificate with supporting documents like PO, Installation report for the same make to meet the qualification criteria. The documents furnished are only for manufacturer supply and not meeting the annual sales turnover for Rs.131.00 lakhs.</p>
4	<p><b>M/s. Vinayak Enterprises,</b>  Make: 3M India Ltd, USA, Model: Bair Hugger 675</p>	Non-Responsive	Non-Responsive	<p>1) The quoted make/model not meeting the following technical points:-</p> <ul style="list-style-type: none"> <li>• Four temperature set points including ambient temperature – <u>32, 38, 43°C (manual setting)</u>.</li> <li>• Over temperature simulator to verify that over temperature alarm is functional – <u>No alarm demonstrated</u>.</li> <li>• Should have over temperature Alarm protection (36°C = 39°± 1°C (102°F ± 2°F), 40°C = 43°± 1°C (109°F ± 2°F), 44°C = 47°± 1°C (117°F ± 2°F)) – <u>No alarm demonstrated</u>.</li> <li>• Should have hose end temperature monitor sensor – <u>No sensor</u>.</li> <li>• Right angle hose end with 4 rectangular openings at the hose end and hose end should have the grew to lock the blanket – <u>No inclined hose end and does not have 4 rectangular opening</u>.</li> <li>• Safety alarms such as over temperature, under temperature and hose disconnect</li> </ul>

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				<p>alarm – <u>Not demonstrated</u>.</p> <ul style="list-style-type: none"> <li>Hose End Temperature Control: Servo-controlled by thermistors placed at hose end – <u>No</u>.</li> <li>Should have air Flow 8.4 to 12.7m / sec (1650 to 2500 feet/min) 1.59 to 2.41 cm/min (56.2 to 85.2 cf/min) – <u>No (it has 44cf/min)</u>.</li> <li>Radio-translucent and should be in pure white colour to identify difference between used and unused blanket – <u>No (blue colour)</u>.</li> </ul> <p>2) Did not furnish enduser certificate with supporting documents like PO, Installation report for the same make to meet the qualification criteria. The documents furnished are only for manufacturer supply.</p>

### Sch.no.2 Blood and Fluid Warmer

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		Technical evaluation report	Commercial evaluation report	
1	<b>M/s. Madras Surgicals &amp; Chemicals,</b> Make: Smiths Medical, USA, Model: Hotline	<b>Responsive</b>	<b>Responsive</b>	-----