ANNEXURE: I

TECHNICAL BID PROFORMA

Item Name: "Plethysmographic Endothelial Function Assessment Device" Bidder Eligibility Criteria:

I	**Bidder Eligibility Criteria-I (Public Procurement – Preference to Make in India)**	**Class I / Class II**	**Local Content value**	**Reference, Page No.**
I	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16th September 2020 and other subsequent orders issued therein.			
2.0	**Bidder Eligibility Criteria-II**	**Compliance (Yes/No)**	**Reference Page No.**	**Remarks, If any**
1	The bidder/OEM should have supplied at least 2 similar items to IITs, NITs, IISERs, CSIR Labs or other R&D organizations or institutions in India or abroad in the last 5 years, PO copies or installation certificates along with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers will be part of technical evaluation.			

3.0 Technical Compliance:

Technical specifications required for one unit of Plethysmographic Endothelial Function Assessment Device: -

S.no	**Specification**	**Complied / Not Complied**	**Reference Page No.**
1	A fully functional and tested plethysmographic endothelial function assessment device with relevant probes that meet all safety requirements applicable to medical equipment should be provided.		
2	The device should be FDA approved.		
3	The system should be operator and participant friendly given that any operator with basic knowledge of the working of the device should be able to operate it and the participant should be comfortable during measurements .		
4	The recording time should be as per clinical guidelines, i.e. the device should record automatically the signals at least for 20 minutes, without operator induced comprising of signal fidelity.		
5	A blood pressure cuff should inflate to bearable pressure limits (200 mmHg) only during the study for performing automated measurement.		
6	The device should have a proprietary software, that includes provision for patient information collection, settings configuration , measurement visualization and data access .		
7	The PAT probes should be available in all dimensions to fit different participants .		
8	The system should be handy, and portable and should be fit to deploy in a normal lab setting.		
9	The system should be fully computerized and the recorded signals should be simultaneously displayed on a PC/Laptop screen (Windows OS).		

<table>
<tr><td>10</td><td>Apart from real-time display, the system should also be open to storage, offline display and analysis later.</td><td></td><td></td></tr>
<tr><td>11</td><td>In addition to the above, the plethysmographic endothelial function assessment device supplied should conform to the detailed specifications as listed below</td><td></td><td></td></tr>
<tr><td></td><td><table>
<tr><td>Blood pressure cuff</td><td>Standard sizes</td></tr>
<tr><td>Pressure range</td><td>0 to 200 mmHg</td></tr>
<tr><td>Temperature</td><td>Room temperature</td></tr>
<tr><td>Weight</td><td>< 4 kg</td></tr>
<tr><td>Sampling resolution</td><td>12 bit</td></tr>
<tr><td>Disk space</td><td>< 10MB for 20 minutes</td></tr>
<tr><td>OS</td><td>Windows 7 or later</td></tr>
</table></td><td></td><td></td></tr>
<tr><td></td><td>Terms and Conditions:</td><td></td><td></td></tr>
<tr><td></td><td>The equipment must have one year warranty</td><td></td><td></td></tr>
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(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the above points with document proof as required. Failing which bidders will be technically disqualified)

SIGNATURE OF BIDDER ALONG WITH SEAL OF THE COMPANY WITH DATE