

**PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641004**  
**TEQIP III PROCUREMENT**

Bidder who can supply of the following equipment's as per the specifications mentioned below may send their contact details along with GST Registration Certificate to [psg.teqip.procurement@gmail.com](mailto:psg.teqip.procurement@gmail.com) on or before 23.10.2019.

Tentatively start of procurement process for Item number 1 is immediate and the rest of equipment's may be procured after few months.

| S.No | Equipment Description  | Equipment Specification  |
|------|--|--|
| 1.   | CNC VMC Machine  | Table size(mm):1000*450, X axis stroke (mm) : 800, Y axis stroke (mm): 460, Z axis stroke(mm): 450, T- Slot Dimension (mm): 4*18*100, Guide ways: LM, Rapid traverse X,Y,Z (m/mm): 30, Cutting Feed m/mm: 10, Spindle speed range (rpm): 8000, Spindle motor power, FANUC (kw): 7.5/11, Spindle Nose: BT40, Automatic tool changer: Twin arm, Number of tool: 20, Max.tool dia.packets (All/adj,Empty): 75, Max .tool weight(kg): 7, Max tool length(mm):250, Positioning accuracy(mm): 0.010, Repeatability(mm): +/- 0.005,Edge finder: Required, CNC Controller: FANUC Oi MF, Memory card: 1 No. Required, Tool holder BT40:20 Nos. Required, Chip conveyor: 1 No. Required. |
| 2.   | CAPTIV preferably (or equivalent) - Wireless Sensors and Measurements - Biofeedback Wireless communication between T-Sens sensors -Log Datalogger and realtime T-Receiver device. Subjects have complete freedom of motion for operating | <p>a) T-LOG -Datalogger for field recordings</p> <ul style="list-style-type: none"> <li>• 32 channels</li> <li>• Compatible with all T-Sens sensors</li> <li>• 12h battery life (minimum)</li> <li>• Data storage on 8GB internal memory</li> </ul> <p>b) T-Receiver –for Real time to PC</p> <ul style="list-style-type: none"> <li>• 16 channels</li> <li>• Compatible with all T-Sens sensors</li> <li>• Can be paired (for up to 32 channels)</li> <li>• Trigger In/Out</li> </ul> <p>c) Wireless T-Sens sensors</p> <ul style="list-style-type: none"> <li>• Skin Conductance (GSR)</li> <li>• ECG</li> </ul>   |

|                            |  |  |                      |     |  |                            |              |                |                      |                                  |
|----------------------------|--|--|----------------------|-----|--|----------------------------|--------------|----------------|----------------------|----------------------------------|
|                            | naturalistically with no intrusive cables.   | <ul style="list-style-type: none"> <li>• Respiration</li> <li>• Skin Temperature</li> <li>• Electromyography (sEMG)</li> <li>• 3-axis Accelerometer</li> <li>• 2-axis Inclinometer</li> <li>• Pressure FSR</li> <li>• Load Cell</li> <li>• 3D Motion (IMU)</li> </ul>  |                      |     |  |                            |              |                |                      |                                  |
| 3.                         | Eyetech Eytracker (60Hz)                     | <ul style="list-style-type: none"> <li>○ EyeTech 10” or equivalent</li> <li>○ VT3-Mini Eye Tracker</li> <li>○ (Available 60Hz) Assembly Powered by</li> <li>○ AEye Technology and Bandpass filter</li> <li>○ Quick Capture Gaze Analysis Software</li> <li>○ Research Installer</li> <li>○</li> </ul>                                  |                      |     |  |                            |              |                |                      |                                  |
| 4.                         | MangoldVision Software Premium Package       | <ul style="list-style-type: none"> <li>• MangoldVision Software Premium Package to record the fixation, saccades and Regressions Perpetual single user License</li> </ul>  |                      |     |  |                            |              |                |                      |                                  |
| 5.                         | Digital garment sublimation printing machine | <p><b>1. DIGITAL SUBLIMATION PRINTER</b></p> <table border="1"> <tr> <td><b>Printer Width</b></td> <td colspan="2">44”</td> </tr> <tr> <td rowspan="2"><b>Printing Technology</b></td> <td>Print Method</td> <td>Precision Core</td> </tr> <tr> <td>Nozzle Configuration</td> <td>360 x 2 nozzles each colour (x4)</td> </tr> </table> | <b>Printer Width</b> | 44” |  | <b>Printing Technology</b> | Print Method | Precision Core | Nozzle Configuration | 360 x 2 nozzles each colour (x4) |
| <b>Printer Width</b>       | 44”  |  |                      |     |  |                            |              |                |                      |                                  |
| <b>Printing Technology</b> | Print Method                                 | Precision Core   |                      |     |  |                            |              |                |                      |                                  |
|                            | Nozzle Configuration                         | 360 x 2 nozzles each colour (x4)   |                      |     |  |                            |              |                |                      |                                  |

|  |  |                       |                    |  |
|--|--|-----------------------|--------------------|--|
|  |  |                       | Maximum Resolution | 720 x 1440 dpi                                       |
|  |  | <b>Print Modes</b>    | <b>Resolution</b>  | Pass   |
|  |  | Draft                 | 360×720            | 1  |
|  |  | High speed            | 720×720            | 2  |
|  |  | High quality          | 720×1440           | 8  |
|  |  | <b>Ink System</b>     |                    | Ink type   |
|  |  |                       |                    | Sublimation ink                                      |
|  |  |                       |                    | Colors   |
|  |  |                       |                    | 4 colors - Cyan, Magenta, Yellow, High-Density black |
|  |  |                       |                    | Ink tank capacity                                    |
|  |  |                       |                    | 1500ml   |
|  |  | <b>Paper Handling</b> |                    | Paper Feed Method                                    |
|  |  |                       |                    | Rear roll feed                                       |
|  |  |                       |                    | Media Width  |
|  |  |                       |                    | 254 to 1118 mm                                       |
|  |  |                       |                    | Printing Width (Margin)                              |
|  |  |                       |                    | Max. 1112 mm<br>Side Margin: 3mm both sides          |
|  |  | <b>Control Panel</b>  |                    |  |
|  |  |                       |                    | Required   |
|  |  | <b>Connectivity</b>   |                    | Standard   |
|  |  |                       |                    | Hi-Speed USB 2.0                                     |
|  |  |                       |                    | Ethernet   |
|  |  |                       |                    | 100BASE-TX   |

|               |         |                |
|---------------|---------|----------------|
| <b>Memory</b> | Main    | Minimum 512 MB |
|               | Network | Minimum 128 MB |

**2. SUBLIMATION HEAT TRANSFER FUSING MACHINE – DOUBLE TRAY**

|                     |                 |
|---------------------|-----------------|
| <b>Platen size</b>  | 65 X 95 cm      |
| <b>Working area</b> | 24" X 36"       |
| <b>Heater</b>       | 6.5kW / 15 Amps |
| <b>Temperature</b>  | Up to 220° C    |
| <b>Timer</b>        | 0 to 99 Sec     |
| <b>Air pressure</b> | 0 - 8 bar       |

**3. AIR COMPRESSOR**

Horse power – 2 HP  
 Tank capacity – 25 litres  
 Air pressure – 0- 10 bar

**4. Data Logger**

CORE i5 -8 TH GENT Processor  
 4GB DDR RAM  
 1 TB SATA Hard Drive  
 Intel HD Graphics  
 22" LED Display  
 Win 10 Home