

**List of Machines/equipments Published in the E Tender by CFTI Chennai**

S. No	E Tender ID	Tender Reference Number	Tender Title	Tender Category	e Published Date	E Tender submission - Closing Date	Tender Opening Date	View
1	2019_DC_433273_1	D/19018/5/2018-19	Procurement of Name Board with LED Light	Goods	21/01/2019 9:00:00 AM	4/2/2019 12:00	5/2/2019 14:30	
2	2019_DC_433271_1	D/19018/5/2018-19	Annual Maintenance Contract for the Footwear Machineries and Software	Goods	21/01/2019 9:00:00 AM	4/2/2019 12:00	5/2/2019 14:30	
3	2019_DC_433268_1	D/19018/5/2018-19	Procurement of Library Books Management	Goods	21/01/2019 9:00:00 AM	4/2/2019 12:00	5/2/2019 14:30	
4	2019_DC_433265_1	D/19018/5/2018-19	Procurement of Library Technical Books	Goods	21/01/2019 9:00:00 AM	4/2/2019 12:00	5/2/2019 14:30	
5	2019_DC_433262_1	D/19018/5/2018-19	Procurement of Projector	Goods	21/01/2019 9:00:00 AM	4/2/2019 12:00	5/2/2019 14:30	
6	2019_DC_433258_1	D/19018/5/2018-19	Procurement of Scanner and Footbed Manufacturing Unit	Goods	21/01/2019 9:00:00 AM	4/2/2019 12:00	5/2/2019 14:30	
7	2019_DC_433254_1	D/19018/5/2018-19	Procurement of Pattern Sewing Machine	Goods	21/01/2019 9:00:00 AM	4/2/2019 12:00	5/2/2019 14:30	
8	2019_DC_433249_1	D/19018/5/2018-19	Procurement of Smart Bio Gas System	Goods	21/01/2019 10:00:00 AM	4/2/2019 12:00	5/2/2019 14:30	
9	2019_DC_433244_1	D/19018/5/2018-19	Procurement of Sewage Treatment Plant	Goods	19/01/2019 6:50:00 PM	4/2/2019 12:00	5/2/2019 14:30	
10	2019_DC_432910_1	D/19018/5/2018-19	Procurement of Compressor with Air Dryer	Goods	19/01/2019 6:45:00 PM	4/2/2019 12:00	5/2/2019 14:30	
11	2019_DC_432891_1	D/19018/5/2018-19	Procurement of Cutting Plotter with GDM Software	Goods	18/01/2019 6:45:00 PM	4/2/2019 12:00	5/2/2019 14:30	
12	2019_DC_432632_1	D/19018/5/2018-19	Procurement of Video Conference Facility with Display	Goods	18/01/2019 6:00:00 PM	4/2/2019 12:00	5/2/2019 14:30	

E Procurement Portal Link: <https://eprocure.gov.in/eprocure/app>



Ministry of Micro, Small and Medium Enterprises,  
Government of India



## **MSME-TECHNOLOGY DEVELOPMENT CENTRE (Central Footwear Training Institute, Chennai)**

**Under**

**Ministry of Micro Small and Medium Enterprises, Govt. of India**

### **NOTICE INVITING e-TENDER**

Central Footwear Training Institute, Chennai under MSME - Technology Development Centre, under Ministry of MSME, Government of India, invites online bids under two bid systems (i.e. Technical e-Bid and Financial e-Bid) for supply of Machines & Items as mentioned in Point No B (total 12 Items). The e-Bid shall be submitted online on [www.eprocure.gov.in](http://www.eprocure.gov.in). The Tender details are available on [www.cftichennai.in](http://www.cftichennai.in). No hard copy of Bids shall be accepted in the office.

#### **TERMS AND CONDITIONS:**

##### **A. DETAILS OF e-BID:**

S.No	Particulars	Details
1	Bid Reference	E-Tender No. D/19018/5/2018-19
2	Last Date and Time of receipt of Bid	04 <sup>th</sup> February 2019 by 12.00 Noon
3	Date and Time for opening of Technical Bid	05 <sup>th</sup> February 2019 by 02.30 P.M
4	Place of receiving the bid/ communication	Director, Central Footwear Training Institute, MSME - Technology Development Centre, No 65/1, GST Road, Guindy, Chennai - 600 032
5	EMD	As mentioned in Point No B. For each item (exempted for registered supplier under NSIC Single Point Scheme)
6	Financial bid opening	Will be intimated after evaluation of Technical Bids.
7	Tender Fee	Rs. 1000/- Non-Refundable (exempted for registered supplier under NSIC Single Point Scheme)

Note: The EMD and Tender fee should be paid separately in the form of **Demand Draft / Bankers Cheque** in favour of "**Director, CFTI, Chennai**".

**B. (On Bidder Letter Head) Technical Specification for Video  
Conference Facility with Display (e-BID)**

Name of the Item	Video Conference Facility with Display
Quantity	1 No
EMD	Rs. 12,000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
	Video Communication Protocols : H.323 / SIP ITU Standards		
	<b>Transmission Speed</b> : 64Kbps - 6Mbps		
	<b>Cloud License:</b> Should have built in Cloud License to support Virtual Meeting Room supporting up to 25 Participants Connectivity. Should be able to connect via PC/Mac/iOS/Android Devices		
	<b>Video Standards :</b> H.261, H.263, H.264 H.264 High Profile/AVC for minimum bandwidth for higher resolution		
	<b>Data Sharing : Wired and Wireless &amp; Video Layouts</b> Support HD Data Sharing at 1080p Resolution. System should be supplied with 4-user wireless presentation and should be upgradeable to 6users with software license. System should have capability to stream content live to remote viewers and record in-room wireless presentations along with video and audio for future on-demand archiving and access. System should support different layout options such as Full screen, Mosaic Tile Layout. Should have the capability to beam the presentation to participants own devices giving freedom to watch in their preferred layouts. System should have capability to generate dynamic access codes keep the meeting secure, and control what to share on-screen, ensuring nothing private is accidentally revealed.		
	<b>Audio Standards :</b> 20KHz AAC-LD 14KHz: G.722.1 Annex C 7KHz: G.722, G.722.1 3.4KHz: G.711, G723.1, G.728, G.729. AMR(3G)		
	<b>Audio Features :</b> echo cancellation Automatic Noise suppression (ANS) Automatic gain control (AGC)		
	<b>Live Video Resolution:</b>		

	upto 1080p60fps Transmit and Receive		
	<b>Video Inputs :</b> HD Camera Input(HDMI/DVI or Equivalent ) PC Content Input(HDMI/DVI-I Port)		
	<b>Video Outputs :</b> Dual HD Output (DVI or HDMI); <b>Dual Display support</b>		
	<b>Embedded MCU and Call Bridging :</b> Quoted Product must be built in with 4way multi party License from day one Endpoint Should be able to bridge/merge H.323 Video and SIP(audio only) call connection. Also should be future upgradable to 1+8		
	<b>Full High Definition PTZ Camera:</b> 1xHD 1080p 60fps resolution with 12xOptical zoom for capturing the participants 70-degree field of view or More Auto Focus/Automatic Gain Control Camera must be separate so that the codec can be hidden behind Display if needed		
	<b>Microphone Array :</b> Support up to two daisy chainable microphone array each consisting of three mic elements, guaranteeing 360-degree coverage. 1 Mic array should be supplied with the equipment		
	<b>Room Integration :</b> Ability to Integrate with external Audio DSP System through LINE IN / LINE OUT and/or Digital USB Connections		
	<b>Quality of Service(QoS):</b> IP Precedence Firewall Port Sync Port pinholing NAT IP address mask Adaptive Bandwidth Adjustment Packet loss recovery (FEC)ss Packet duplication control Packet ordering Jitter correction Overhead prediction Lip sync correction Max packet size adjustment		
	<b>Firewall Traversal :</b> H.460.18 ; H.460.19 ITU Standards support		
	<b>Control(included) :</b> IR Remote Embedded Web based management Telnet API for external control system		
	<b>Recording :</b> Should have built – in storage and ability to connect external hard drive		

	<p>Record the Audio/ Video and Presentation Content during Video Conference</p> <p>Record the Local Audio/Video even without in a call for Local Interview / Training Sessions for later view</p>		
	<p><b>Streaming :</b></p> <p>Must support Unicast and Multicast to Standard WMV/VLC Clients of 20 users minimum</p>		
	<p><b>Cables :</b></p> <p>Associated Cable for Connecting camera, Power and Microphone should be included</p>		
	<p><b><u>Camera Specification</u></b></p> <p><b>Full High Definition PTZ Camera:</b></p> <p>1xHD 1080p 60fps resolution with 12xOptical zoom for capturing the participants</p> <p>70-degree field of view or More</p> <p>Auto Focus/Automatic Gain Control</p> <p>Camera required to capture the trainer at the time of local training</p> <p><b>Cables :</b></p> <p>Associated Cable for Connecting camera and Power, Stand for Camera - 2 Nos should be included</p>		
	<p style="text-align: center;"><b>Display</b></p> <p>Display Type : Professional Display</p> <p>Screen Size : Not less than 55 Inches</p> <p>Panel Type: IPS Panel</p> <p>Resolution: Not less than 3840 x 2160</p> <p>Aspect Ratio : 16:9</p> <p>Brightness : Min 400 Cd/m<sup>2</sup></p> <p>Viewing Angle ( H/V ) : Min 178 Degree</p> <p>Response Time : Min 6ms</p> <p>HDMI IN : Min 3 HDMI</p> <p>VGA IN : Min 1 VGA</p> <p>USB IN : Min 2 USB 3.0</p> <p>Control Port : Min 1 RS 232</p> <p>LAN : Min 1RJ45</p> <p>DP IN : Min 1 DP</p> <p>DVI-D IN : Min 1 DVI – D</p> <p>Built in Speaker : Min 20 W</p> <p>Orientation : Landscape / Portrait</p>		

**B.(On Bidder Letter Head) Technical Specification for Cutting Plotter  
with GDM Software (e-BID)**

Name of the Item	Cutting Plotter with GDM Software
Quantity	1 No
EMD	Rs. 32,000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
1	Cutting Area : 900 x 600 mm		
2	Max Speed : upto 1200 mm/s		
3	Max cutting depth : 1 mm		
4	Repeat precision : <0.05 mm		
5	Programmable resolution : 0.025		
6	Power supply : AC 220 V $\pm$ 10%, 50 HZ / 3KW		
7	Fuse : 6A, 30A		
8	Working environment at : 10 to 35 degree C		
9	With Transmission System : Digital servo motor driver + synchronous belt		
10	With Pen & Blade types : Gel-ink pen, ball pen / special tungsten carbide blade		
11	With Media Fixture method : Vacuum suction		
12	With Vacuum Pump		
13	With Dual Tool System		
14	Should able to work with any CAD software		
15	Should able to work with any CAD software		
16	With Interface : serial port & Ethernet port		
17	With Command mode : HPGL, compatible format		
18	With Operational Panel : Liquid crystal display panel		
19	With push contact		
20	With Cutting media : Card board, Paper, Kraft paper, PVC board, PU, Rubber sheet, Plastic and marking film etc		
21	With Graphical Document Manager (GDM) software which helps to prepare consumption & Specification chart and it should be user friendly for getting product- specific documentation of any kind, either online as well as offline.		

**B.(On Bidder Letter Head) Technical Specification for Compressor  
with Air Dryer – 15 HP (e-BID)**

Name of the Item	Compressor with Air Dryer – 15 HP
Quantity	1 No
EMD	Rs. 6000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
1	Dimension (L x B x H): 1925 x 885 x 1350 mm		
2	With appropriate Air Dryer		
3	Air Receiver – 500 Litres		
4	Compressor Speed – 1150 rpm		
5	No of Cylinders – 3 Nos		
6	Motor Power – 15 HP		
7	Free Air Delivery – 44.1 cfm		
8	Piston Displacement – 54.3 cfm		
9	With Larger blades for higher Air flow		
10	With efficient cooling for operation in tropical conditions		
11	With double side belt guard for operator safety		
12	Air receivers confirming to ASME standards		
13	With dry type suction filters		
14	Modular Design		
15	With optimal operating speed for longer service life		
16	Pressure relief valve should be provided after each stage of compression for safety		
17	Convenient oil sight glass and oil drain facility		
18	Stainless steel valves for lower wear and lasting compression efficiency		

**B.(On Bidder Letter Head) Technical Specification for Sewage Treatment Plant & Equipment (15 KLD) (e-BID)**

Name of the Item	Sewage Treatment Plant & Equipment (15 KLD)
Quantity	1 No
EMD	Rs. 24000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
1	Flow rate : 1.0 m3 / hr		
2	With Raw Sewage Collection Tank - 1 No		
3	Capacity : 15 KL		
4	Size (L X B x W) : 3 Mtr x 2 Mtr x 2.5 Mtr + 0.3 Mtr FB		
5	MOC : RCC		
6	With Raw Sewage Transfer Pump ( Cutter Submersible) - 2 Nos		
7	Flow : 1.5 m3/hr @ 20 mwc		
8	Model : Submersible		
9	With Aeration Tank - 1 no		
10	Aeration capacity : 10 K.L		
11	Size (W x L x H) : 2.0 Mtr x 2.0 Mtr x 2.5 Mtr + 0.5 Mtr FB		
12	With Settling Tank - 1 No		
13	Settling Capacity : 4 KL		
14	Size : 2 Mtr W x 1 Mtr L x 2 Mtr SWD + 0.5 Mtr FB + 0.8 hopper		
15	With Air Blower for Settling Tank - 2 Nos		
16	Capacity : 30 m3 / hr @ 4 mwc		
17	Motor : 3 HP		
18	Fine bubble disk type diffusers		
19	With Sludge transfer cum Recirculation pump - 2 Nos		
20	Flow : 1.5 m3/hr		
21	With Clear Water Tank - 1 No		
22	Capacity : 5 KL		
23	MOC : HDPE		
24	With Filter Feed Pump - 2 no		
25	Flow : 1.5 m3/hr @ 22 MWC		
26	With Pressure Sand Filtration - 1 Lot		
27	Flow : 1.5 m3 / hr		
28	Size : 325 mm Dia x 1350 mm Height		
29	MOC : FRP		



30	BFV valve : Size 25 NB		
31	With Activated Carbon Filtration - 1 Lot		
32	Flow : 1.5 m3 / hr		
33	Size : 325 mm Dia x 1350 mm Height		
34	MOC : FRP		
35	BFV valve : Size 25 NB		
36	With Hypo Dosing System - 1 Lot		
37	Type : Screw Pump		
38	With Treated Water Tank - 1		
39	Capacity : 5 KL		
40	MOC : HDPE		
41	With Electrical control panel, cabling cable tray, gland, lug supporters etc.		
42	With Inter connecting piping & fittings UPVC as MS required		
43	With Instrumentation / Pressure Guage - 8 Nos		
44	With Electromagnetic flow meter - 2 Nos		

**B.(On Bidder Letter Head) Technical Specification for Smart Bio GAS System (e-BID)**

Name of the Item	Smart Bio Gas System
Quantity	1 No
EMD	Rs. 3000/-

<b>S.No</b>	<b>Required Specifications</b>	<b>Offered Specification by bidder with Model No.</b>	<b>Remarks</b>
1	Dimension ( L x W X H ) : 2.1 Mtr x 1.4 Mtr x 1.5 Mtr		
2	Built in Biogas holder : PVC fabric		
3	MOC : Mild Steel with enamel painting		
4	With Food waste Grinder - 1 no		
5	With Gas Stove single burner - 1 no		
6	With Flash back arrester, pipe & fittings up to 10 Mtrs		
7	Capacity : 25 Kg / day		

**B.(On Bidder Letter Head) Technical Specification for Pattern Sewing Machine (e-BID)**

	Name of the Item	Pattern Sewing Machine	
	Quantity	1 No	
	EMD	Rs. 80000/-	
<b>S.No</b>	<b>Required Specifications</b>	<b>Offered Specification by bidder with Model No.</b>	<b>Remarks</b>
1	*Applications - Heavy-weight materials		
2	*Max. sewing speed - 2100 sti/mm		
3	*Sewing area - Max .650 x 380 mm		
4	*LCD Touch control panel - 7-inch color TFT large screen		
5	*With Big Panel and high visibility		
6	*With light and easy handling when programming		
7	*With hardware adopted JOG key		
8	*With Touch panel+ Hardware Key		
9	*Memory device on the panel -SD card slot 2 nos and USB port		
10	*Expansion port(RS232C I/F) for bar code reader & DC adopter port (24V)		
11	*With Auto Needle penetration force		
12	*With patent of vibration function		
13	*Should be effective when sewing Thick Leathers / Thick Shoe Uppers		
14	*Should compliant with RoHS Directive.		
15	*With High Energy Saving		
16	*With High Recyclable rate		
17	*Electronic Equipments should be top level feed performance with optimized designing of mechanism / electric / software		
18	*Sewing Speed: 2800 Stit/min		
19	*Should constructs accurate needle hole and stable good seam with tightened thread.		
20	*With Thread Breakage Detector device		
21	*With Digital Tension device		
22	*Feed method - Intermittent feed, pulse motor drive		
23	*Stitch length - 0.05 - 12.7mm(per 0.05mm)		
24	*Max. No. of stitches - 20,000 stitches(per program) and 99 programs		
25	*Work clamp lift method - Pneumatic method		
26	*Work clamp height - Max. 30mm		
27	*2-step work clamp - Integrated -type work clamp - Easy and Accurate Positioning of materials -		
28	*Can able to select a desired work clamp lowering operation from two patterns by changing the memory switch setting (Two step lowering or		

	one step lowering		
29	*Intermittent presser foot lift amount - 22mm		
30	*Intermittent stroke - 2~4.5mm、4.5~10mm or 0 (Default setting:3mm)		
31	*With Double-capacity shuttle hook (Standard shuttle hook: Option)		
32	*With wiper device		
33	*With Thread trimmer (thread trimming by upper shaft driving)		
34	*With Data storage media - Internal memory(Flash memory), SD card, USB*		
35	*Motor - AC servo motor 550W		
36	*Weight - Head: approx.174kg, Control box :approx.18 kg		
37	*Power - Single-phase100V, 3-phase 200V 400VA		
38	*Air/ consumption - 0.5Mpa 1.8 l/min		

**B. (On Bidder Letter Head) Technical Specification for Scanner & Footbed Manufacturing unit (e-BID)**

Name of the Item	Scanner & Foot bed Manufacturing unit
Quantity	1 No
EMD	Rs. 1,40,000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
1	<p><b>Footprint Digitalizer:</b></p> <ul style="list-style-type: none"> <li>-External dimensions:136x420x725 mm</li> <li>-Scanned volume-140x60x400mm</li> <li>-Weight-10kg</li> <li>-Precision-1mm</li> <li>-Complete scan-18s</li> <li>-Power supply-100-240 Vac</li> <li>-Power Consumption-150W</li> <li>-Should able to Configure easily with several insole parameters to adapt it to the needs of the person: Inside and outside length, heel and metatarsals width, arch height,... Thickness, heel cup, heel raise, wedges, inverted orthotic, bottom curvature,... Full, ¾ and rigid insoles.</li> <li>- With Unloadings (Drop, point, metatarsal), Metatarsal Additions (Bar, pad, dome, custom,...) Inside wedges (Heel skive), Engrave text</li> <li>-With Management of database and insoles history.</li> <li>-The generated paths should be exported directly into a machine file to proceed with the machining by CNC</li> </ul>		
2	<p><b>Foot Scanner:</b></p> <ul style="list-style-type: none"> <li>-External Dimensions- 422x416x735mm</li> <li>-Scanned volume-140x160x400 mm</li> <li>-Weight-18kg</li> <li>-Precision-1mm</li> <li>-Complete scan-18s</li> <li>-Power supply-100-240 Vac</li> <li>-Power consumption-150W</li> <li>-With Integrated CAD Systems and compatible with formats</li> <li>-Should be directly communicated with Foot Scanner software for the automatic measurement of the foot.</li> <li>-With Compatible Last making software system for last customization.</li> <li>-With Noise filtering and reconstruction of cloud points (from the digitizer or using standard cloud points files, like ASC).</li> <li>-With Virtual feet analysis and measurement (from the digitizer or from geometry files, like STL.</li> </ul>		

3	<p><b>Footbed Digging Machine</b></p> <ul style="list-style-type: none"> <li>-With Single Block EVA with Dust Extractor for single Footbed Digging Machine:</li> <li>-Work area 400X300mm and 120mm height</li> <li>-Resolution 0.005mm</li> <li>-With Brushless head or 3 Cv 1.5 Cv,6000-24000rpm,cooled air or water</li> <li>-With Zeroing axis Z</li> <li>-With Laser pointer for Verification Zeroing axes X,Y.</li> <li>-Height 120mm Z bridge.</li> </ul>		

**A. (On Bidder Letter Head) Technical Specification for Projector (e-BID)**

Name of the Item	Projector
Quantity	1 No
EMD	Rs. 3,000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
1	<p><b>TECHNOLOGY</b></p> <p>*Projection System : 3LCD Technology</p> <p>*LCD Panel : 0.55 inch with MLA (D8)</p>		
2	<p><b>IMAGE</b></p> <p>*Colour Light Output : 3,200 lumen- 1,800 lumen (economy)</p> <p>*White Light Output : 3,200 lumen- 1,800 lumen (economy) in accordance with ISO 21118:2012</p> <p>*Resolution : XGA, 1024 x 768, 4:3</p> <p>*Aspect Ratio : 4:3</p> <p>*Contrast Ratio : 16000 : 1</p> <p>*Light Source : Lamp</p> <p>*Lamp : 215 W, 5,000 h durability, 10000 h durability ( economy mode)</p> <p>*Key Stone Correction : Manual Vertical: +/- 15 degree, Manual horizontal +/- 15 degree</p> <p>*Colour Processing : 10 Bits</p> <p>*2D Vertical Refresh Rate : 50Hz - 85 Hz</p> <p>*Colour Reproduction : Upto 1.07 billion colours</p>		
3	<p><b>OPTICAL</b></p> <p>*Projection Ratio : 0.55:1</p> <p>*Zoom : Digital, Factor: 1 - 1.35</p> <p>*Lens : Optical</p> <p>*Image Size : 50 inches - 108 inches</p> <p>*Projection Distance Wide : 0.5 m ( 50 inch screen)</p> <p>*Projection Distance Tele : 1.3 m ( 108 inch screen)</p> <p>*Projection Lens F Number : 1.6</p> <p>*Focal Distance : 6.4 mm</p> <p>*Focus : Manual</p> <p>*Offset : 9.51 : 1</p>		
4	<p><b>CONNECTIVITY</b></p> <p>*USB Display Function : 3 in 1: Image/Mouse/Sound</p>		

	<p>*Interfaces : USB 2.0 Type A, USB 2.0 Type B, RS-232C, Ethernet interface ( 100Base-TX/10 Base-T),Wireless LAN IEEE 802.11b/g/n (Optional), VGA in (2x), VGA out, HDMI in,</p> <p>Composite in, Component in (2x), S-Video in, Stereo mini jack audio out, Stereo mini jack audio in (2x), Microphone input, Clinch audio in.</p>		
5	<p><b>ADVANCED FEATURES</b></p> <p>*Security : Kensington lock, Security bar, Wireless LAN unit lock, Wireless LAN security, Password protection.</p> <p>*Features : Built-in Speaker, Customizable user logo, Digital Zoom, Dynamic lamp control, Horizontal and vertical keystone correction, Long lamp life, Microphone input, Wireless LAN capable.</p> <p>*Video Colour Modes : Blackboard, Dynamic, Presentation, sRGB, Theatre.</p>		
6	<p><b>GENERAL</b></p> <p>Energy Use : 298 W, 221 W (economy), 0.28 W (standby)</p> <p>*Supply Voltage ; AC 100 V - 240 V, 50 Hz - 60 Hz</p> <p>*Product Dimensions : 344x315x94 mm</p> <p>*Product Weight : 3.7 KG</p> <p>*Noise Level : Normal : 37 dB (A)- Economy : 29 dB (A)</p> <p>Temperature Operation 5® C - 35® C, Storage - 10® C - 60® C</p> <p>*Humidity : Operation 20® - 80®, Storage - 10® - 90®</p> <p>* Software : Projector Management Software with Complaint to ZUND Dieless Cutting Machine with necessary Installation, EasyMP Multi PC Projection, EasyMP Network projection.</p> <p>*Loudspeaker : 16 W</p> <p>*Colour : White/Gray</p> <p>*With TCO Certified</p>		



**B.(On Bidder Letter Head) Technical Specification for Library Books-  
Technical (e-BID)**

Name of the Item	Library Books-Technical
Quantity	30 Issues per year
EMD	Rs. 4000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
1	<p>ARS Online package which includes ONE year Access to <a href="http://arstrends.com">arstrends.com</a> as well as 16 magazines per year</p> <p>ARS SKETCH &amp; STYLE WOMEN 4 issues per year            ARS SKETCH &amp; STYLE MEN 4 issues per year            ARS SKETCH &amp; STYLE SNEAKER 4 issues per year            ARS KIDS 4 issues per year</p>		
2	<p>FASHION MAG &amp; CLOSE UP MEN SHOES PACKAGE 4 issues per year            FASHION MAG &amp; CLOSE UP WOMEN SHOES 6 issues per year            DESIGN PRESS MEN SANDALS 2 issues per year            DESIGN PRESS WOMEN SANDALS 2 issues per year</p>		

**B.(On Bidder Letter Head) Technical Specification for Library Books - Management (e-BID)**

Name of the Item	Library Books - Management
Quantity	25 Sets
EMD	Rs. 2000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
1	<p><b>1. <u>GENERAL MANAGEMENT</u></b></p> <p><b><u>CONTENTS</u></b></p> <p>Introduction to Management            Functions or Process of Management            Levels of Management            Theories of Management            Planning            Organizing            Staffing            Directing            Controlling</p> <p align="center">-Book Paper Quality 70 / 80 GSM            -Reputed Author            -Number of Pages should be 100 and above</p> <p><b>2. <u>PURCHASE &amp; STORE CONTROL</u></b></p> <p><b><u>CONTENTS</u></b></p> <p>Materials Management - Introduction and Meaning            Scope or Functions of Materials Management            Material Planning and Control            Purchasing            Stores Management            Inventory Control or Management            Materials Handling</p> <p align="center">-Book Paper Quality 70 / 80 GSM            -Reputed Author            -Number of Pages should be 100 and above</p> <p><b>3. <u>PRODUCTION PLANNING AND CONTROL:</u></b></p> <p><b><u>CONTENTS</u></b></p> <p>Introduction and Meaning of PPC            Need for Production Planning and Control            Objectives of PPC            Phases of PPC</p>		

	<p>           Functions of PPC            Use of PLM            Operations Planning and Scheduling Systems            Aggregate Planning            Master Production Schedule (MPS)            Material Requirement Planning (MRP)            Capacity Planning            Routing            Scheduling         </p> <p>           -Book Paper Quality 70 / 80 GSM            -Reputed Author            -Number of Pages should be 100 and above         </p> <p> <b>4. <u>INDUSTRIAL ENGINEERING:</u></b>  <b><u>CONTENTS</u></b> </p> <p>           Introduction            Productivity            Work Study            Method Study            Motion Study            Work Measurement            Time Study         </p> <p>           -Book Paper Quality 70 / 80 GSM            -Reputed Author            -Number of Pages should be 100 and above         </p> <p> <b>5. <u>STANDARDIZATION &amp; QUALITY CONTROL</u></b>  <b><u>CONTENTS</u></b> </p> <p>           Introduction            Quality            Control            Inspection            Quality Control            TQM &amp; ISO 9000         </p> <p>           -Book Paper Quality 70 / 80 GSM            -Reputed Author            -Number of Pages should be 100 and above         </p> <p> <b>6. <u>COSTING</u></b>  <b><u>CONTENTS</u></b> </p> <p>           Business            Costing            Elements of Cost            Components of Total Cost            Costing And Analysis            Profit         </p> <p>           -Book Paper Quality 70 / 80 GSM            -Reputed Author            -Number of Pages should be 100 and above         </p>		
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## **7. FINANCIAL CONTROLS**

### **CONTENTS**

Concept of Financial Control  
Material Cost Control  
Labour Cost Accounting  
Analysis of Financial Statements  
Financial Performance Analysis  
Budgeting and Budgetary Control  
Working Capital Management  
Capital Structure

- Book Paper Quality 70 / 80 GSM
- Reputed Author
- Number of Pages should be 100 and above

## **8. RETAILING**

### **CONTENTS**

Introduction  
Channels of Distribution  
Careers  
Critical Factors  
Factors Influencing Retail Consumer  
History of Retailing  
Evolution of Retail in India  
Indian Retail Scenario  
Current Trends in Indian Retailing Scenario  
Classification of Formats and Types of Stores,  
Types of Ownership  
India Footwear Chain of Stores – Review  
Feasibility Study Footwear Retail Outlet (Ladies  
and Children)

- Book Paper Quality 70 / 80 GSM
- Reputed Author
- Number of Pages should be 100 and above

## **9. MERCHANDISING**

### **CONTENTS**

Merchandising and the Role of a Merchandiser  
Merchandizing and Marketing  
Types of Buyers and Buying Agencies  
Understanding Buyers Demand.  
Fashion  
Principle & Elements of Fashion Design  
Factors Influencing Fashion  
Predicting the Movement of Fashion  
Major Trends and Fashion Cycles  
Theories of Fashion Adoption

- Book Paper Quality 70 / 80 GSM
- Reputed Author
- Number of Pages should be 100 and above

## **10. QMS & QC TOOLS**

### **CONTENTS**

Concepts of Quality  
Lean  
Total Quality Management  
Seven QC Tools  
Statistical Process Control  
ISO 9001:2008 Quality Management Systems  
Kaizen, 5S, Quality Circle  
ISO 14001:2004 Environmental Management System  
Safety Management Systems

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

## **11. INTERNATIONAL BUSINESS AND COMMUNICATION**

### **CONTENTS**

Meaning, definition and features of International Business Management  
Globalization  
Theories of International Trade  
Barriers to Trade  
Trading Environment of International Trade  
Analysis of Global Environment/Components/Types/Constituents of International Business  
Country Risk Analysis  
Rise of New economics like Brazil, Russia, India and China (BRIC) and ASIAN countries  
Balance of Trade & Payment  
International Monetary Fund  
World Trade Organization (WTO)  
Introduction to GATS  
TRIPS Agreement-Trade Related Intellectual Property Rights  
TRIMS-Trade Related Investment Measures  
IPR-Intellectual Property  
Rights:Patents,Copyrights,Trade Secrets,Trademarks  
SAARC-South Asian Association for Regional Cooperation  
International Marketing  
Currency crisis  
World Bank  
International marketing Environment  
Special Economic Zones (SEZ)

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

## **12. MANAGEMENT PRINCIPLES**

**CONTENTS**

**A-Management Thoughts**

Evolution of 'management' thought  
Training for management

**B-Nature and Functions of Management**

Preliminary: Responsibilities of management to different social groups  
Elements of Management  
General principles of organization and management  
Responsibilities of the various levels of management  
Relation of functional and sectional policies to general policies issue of instructions and the means of communication  
External relationships of an organisation  
The Management Movement--growth of management associations in the U.S.A  
COMMUNICATION  
TECHNICAL LITERACY

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

**13. HR Management and Industrial Relations**

**CONTENTS**

Personnel management  
Industrial Psychology  
Industrial Relations  
Industrial health and safety  
Elementary discussions on the activities of the Ministry of Labour  
Human resource planning  
Occupational Health And Safety

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

**14. Structure and Economic Aspects of Commerce and Leather Industry in India**

**CONTENTS**

Nature and significance of economic science  
The Economic Flow Chart of leather & footwear Industry  
Importance of concepts-analysis of demand and supply

Theory of the firm under static and dynamic conditions  
Theory of distribution  
Methods of obtaining finance  
The external influences affecting an enterprise  
Size and location of the leather sector industries.  
Money-Present worth; sinking fund deposits; Capital recovery  
Depreciation.  
Unit cost characteristics  
Relative worth of alternatives  
Quantitative assessment of the performance of companies and industries.

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

#### 15. **PURCHASING**

##### **CONTENTS**

The Purchasing Function  
Basic Economic Principles  
Purchasing Policies  
Purchasing Procedure  
Forms and Records  
Construction Schemes  
Purchasing Research  
Inventory Control

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

#### 16. **Plant Layout & Materials Handling**

##### **CONTENTS**

##### ***Location of Industry & Plant Layout***

Plant location  
Plant layout  
Plant building and Services

##### ***Material Handling***

##### ***TRANSPORTERS***

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

**17. Total Quality Management**

**CONTENTS**

Quality control  
Quality specification  
Quality planning  
Inspection and controlling quality  
Human factors in quality  
External quality activities  
ISO 9001  
Statistical Quality Control

- Book Paper Quality 70 / 80 GSM
- Reputed Author
- Number of Pages should be 100 and above

**18. INTRODUCTION TO OPERATIONS RESEARCH & RESOURCE MANAGEMENT**

**CONTENTS**

Operational Research  
Current operation analysis techniques  
Opportunity search and problem solving process  
Qualitative technique  
Quantitative techniques  
Related presentation techniques

- Book Paper Quality 70 / 80 GSM
- Reputed Author
- Number of Pages should be 100 and above

**19. COST CONTROL**

**CONTENTS**

Principles of cost accounting  
Control of material costs  
Control of labour costs  
Control of factory expenses  
Costing by-products and joint products.  
Distribution expenses  
Administrative Expense  
Break-even Analysis  
The operating budget and measurement and control of project  
Reporting to top management  
Measuring the effectiveness of a cost control programme.  
Planning for capital expenditures  
Evaluating capital expenditures  
Cost of capital, Representative evaluation techniques  
Controlling capital expenditures



Payment by results Choosing payment system

- Book Paper Quality 70 / 80 GSM
- Reputed Author
- Number of Pages should be 100 and above

## **20. EXPORT MANAGEMENT**

### **CONTENTS**

Export Documentation & Govt. Policy  
Export Marketing  
Export Finance  
Shipping & Packaging  
Leather & Footwear Exports  
Export Merchandising

- Book Paper Quality 70 / 80 GSM
- Reputed Author
- Number of Pages should be 100 and above

## **21. MARKETING , MERCHANDISING AND SUPPLY CHAIN**

### **CONTENTS**

CRM Customer Relationship Marketing  
Consumer Behaviour,  
Customer Value,  
Customer Life Cycle;  
Customer Loyalty, Retention, Satisfaction  
Sustainable Competitive Advantage;  
Market Research  
Needs, Wants And Demand  
Marketing Concept  
Marketing Information System  
Market Segmentation  
Market Positioning  
Developing The Marketing Mix  
Marketing Programme  
Customer Markets Classified  
Competitors  
Store Retailing And Types Of Stores  
Non-Store Retailing;  
Organisational Buyer Behaviour  
SCM (Supply Chain Management  
Business Marketing And E-Commerce  
FASHION MERCHANDISING  
RETAIL MERCHANDISING  
COLLECTION FRAME PLANNING  
CREATE PROTOTYPES  
CHECK WITH MARKET  
COMPLETE COLLECTION BUILDING  
PRESENTING THE COLLECTION  
MAKE "PATHFINDER" SAMPLES  
PREPARE TOOLING

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

## **22. ENTREPRENEURSHIP DEVELOPMENT**

### **CONTENTS**

Competencies required;  
Takes Initiatives, Sees & Acts on opportunity,  
Persistence, Information Seeking, Problem solving

Marketing Orientation;

Financial Institutions;

Various forms of business organization

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

## **23. MARKETING**

### **CONTENTS**

Marketing

Modern marketing

Factors that influence customer decisions

Develop the marketing plan

Competitive edge

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

## **24. QUALITY ASSURANCE & QUALITY CONTROL**

### **CONTENTS**

Quality assurance

Supplier/customer relations

Suppliers and specifications

Quality control

Inspection systems

Book Paper Quality 70 / 80 GSM  
Number of Pages should be 100 and above

-Book Paper Quality 70 / 80 GSM  
-Reputed Author  
-Number of Pages should be 100 and above

## **25. RETAILING & MERCHANDISING**

### **CONTENTS**

	<p>Retailing overview Retail sectors Retail Challenges &amp; Theories Understanding Retail Consumers Retail Market Segmentation &amp; Strategies Retail Business Location Merchandise Management Retail Business Operations Retail Space Management Retail Pricing Retail marketing Emerging trends in retail</p> <p>- Book Paper Quality 70 / 80 GSM -Reputed Author - Number of Pages should be 50 and above</p>		
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**B.(On Bidder Letter Head) Technical Specification for Annual Maintenance Contract for the Footwear Machineries and Software (e-BID)**

Name of the Item	Annual Maintenance Contract for the Footwear Machineries and Software
Quantity	19 Nos
EMD	Rs. 18000/-

S. No	Required Specifications						Offered Specification by bidder with Model No.	Remarks
	Machine Name	Brand	Model Number	Origin	Year of Purchase	Quantity		
1	Dieless Cutting Machine with Software	Zund	LC2400ECO	Switzerland/241004	2006	1		
	Comelz P55 Cutting Machine with Software	Comelz	P55+CN	Italy	2007	1		
	Cutting Plotter	Jingwei	EDO-1652A	China	2007	1		
	PU Pouring Machine (12 Station)	PUMA (James 12/2C)	AJAMES12/2C-141	Italy	2006	1		
	Laser Cutting & Engraving Machine			India	2017	1		
	Toe Lasting Machine	Molina Bianchi	MOBI-1	Italy	2007	1		
	Seat Lasting Machine	CERIM	E-58 CERIM	Italy	2007	1		
	Splitting Machine	SEAZEN	SEAZEN SZ 400 (40053)	Italy	2007	1		
	Travelling Head Cutting Machine	ATOM	ATOM SP 588 25T	Italy	1993	1		
	ADLER POST BED SEWING MACHINE	Durkoop Adler	888, 4280-611, 2260-211	Germany	1993	10		

**B.(On Bidder Letter Head) Technical Specification for Name Board with LED Light (e-BID)**

Name of the Item	Name Board with LED Light
Quantity	1 No
EMD	Rs. 4000/-

S.No	Required Specifications	Offered Specification by bidder with Model No.	Remarks
1	-1" sq Pipe with ACP Sheet mounted on 2.5" Acrylic Letter Embossed with Engraving Half Side Covered by GI Sheet and Led lights		
2	<b>Specification:</b> - Aluminum Composite Panel (ACP) Sheet-3mm Thickness		
3	Acrylic Sheet-2mm Thickness		
4	- LED Lights with minimum 2 years Warranty -1" Sq Pipe		
5	- Tender charges may be given as Rupees/Sq feet		

General Instruction	<p>Upload/ Send:</p> <ul style="list-style-type: none"> <li>- Printed technical leaflet/Technical Details.</li> <li>- Customer list where similar machine/Equipment / Software / Tools / Product has been supplied.</li> <li>- Follow all general Term &amp; Conditions.</li> <li>- Technical bid should contain EMD, technical specification, printed Technical Leaflet and customer list.</li> <li>- All the pages to be authenticated with signature &amp; stamp.</li> <li>- Deviation in any from our specification should be mentioned and justified.</li> </ul>
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### CHECK LIST FOR TENDER DOCUMENT

Sl. No.	Particulars	Yes	No	Remarks
01	Tender Fee			
02	Earnest Money			
03	Technical Bid			
04	Commercial Bid			
05	A Standard Original Brochure of the offered Equipment with all technical information must be submitted along with technical bid.			Must be submitted along with technical bid
06	Latest Income Tax clearance certificate to be enclosed			Must be submitted along with technical bid
07	Latest Sales Tax clearance certificate to be enclosed			Must be submitted along with technical bid
08	Latest Excise clearance certificate if applicable to be enclosed			Must be submitted along with technical bid
09	Registered under DGS & D certificate to be enclosed if applicable			Must be submitted along with technical bid
10	Registered under NSIC certificate to be enclosed if applicable			Must be submitted along with technical bid
11	List of Reputed customers along with their Address, Contact No. & Email Id to whom the said Make and Model Equipment supplied.			Must be submitted along with technical bid
12	Performance certificate of the customer to whom the same model of Equipment supplied.			Must be submitted along with technical bid
13	Authorized Indian Agency certificate of principal supplier			Must be submitted along with technical bid
14	Authorized letter from supplier for participating in tender opening			Must be submitted along with technical bid
15	Test Certificate of the offered Model Equipment need to be enclosed along with technical bid.			Must be submitted along with technical bid

- 1) Earnest Money Deposit / Bank Guarantee Amount :
- 2) Demand Draft / Bank Guarantee No. :
- 3) Issue Date :
- 4) Name of Banker :

Authorized Signatory  
(With Seal)

## ANNEXURE -I

(To be submitted duly signed & sealed along with quotation)

1. The sealed quotations super scribing tender with number, name of the item and due date should be addressed to the "Director, Central Footwear Training Institute, No 65/1, GST Road, Guindy, Chennai - 600 032 (TamilNadu).
2. Late Tenders are liable to be rejected.
3. Tenders should be submitted by online.  
PART-I (a) Tender Fee through DD & EMD through DD/ Bank Guarantee in favour of "Director, CFTI, Chennai"
  - (b) Containing documents of proof in support of eligible tenderer and customer mailing address.
  - (c) Machine/Product printed technical leaflet & Brochures.
  - (d) Technical offer of machine

### PART-II

E-bids are invited in two Bid System (1) Technical and (2) Financial and shall be submitted electronically (online) on [www.eprocure.gov.in](http://www.eprocure.gov.in) for supply of Machines / Items as mentioned in Point No. B. E-Bids shall be submitted on or specified date

**No Hard Copy of Bids will be accepted.** This office will not be responsible for any reasons beyond the control of this office

4. Tenders should clearly indicate the minimum time required for effecting supply; the date of delivery should be strictly adhered to. Time is the essence of the contract and the centre reserves the right to levy liquidated damages @ ½% of the order value for each week of delay or part thereof subject to a maximum of 5%. The centre may at its option recover all the damages, losses and expenses resulting out of such breach of contract. Tenders should be valid for a minimum period of 90 days from the date of closing.
5. The centre reserves the right to cancel or accept or reject or postpone the procurement either fully or partly without assigning any reason thereof.
6. Tender final price should be inclusive of all applicable taxes and the tax amounts should be clearly mentioned in the E Tender.
7. The centre reserves the right to increase or decrease the quantity at the time of placing firm order.

8. The supplier shall also enclose detailed specifications for the equipment, if any with the technical bid. The centre reserves the right to reject the material if found substandard and not as per specification and supplier must make arrangements to replace the same with correct material at the premises of the centre, in case of rejections, immediately within a period of 15 days. The party shall bear for all costs and expenses involved in such an event.
9. The offers quoted shall be for free delivery of stores at the premises of the centre. For outstation parties, the supplies must be made on door delivery basis at the premises of the centre, freight paid. All goods liable to be damaged or deteriorated in transit must be insured, which shall be arranged by the suppliers at their own cost.

**Payment terms:**

10. Advance payment terms are not acceptable.
11. Mere participation in the tender and offering of lowest rates does not confer any right on any Party for placing order on them.
12. All the disputes arising out of the contract shall be subject to Chennai (TN) India Jurisdiction only.
13. Parties are required to affect supplies, commission and install the machinery/equipment/items at any place in the centre's premises designated by the centre and extend/maintain warranty/guaranty at such places. Guarantee/Warranty commences from the date of completion of installation/commissioning and training.
14. All the matters concerned to and not covered herein above, the decision of Director, CFTI, Chennai shall be final and binding on the parties.
15. Commissioning/erection charges, if any should be specifically quoted separately with details of labour charges.
16. The equipment offered shall be strictly conforming to specification or better and for complete unit correct accuracies and standard.
17. CFTI, Chennai will have the option to pre-inspect the machine/equipment at supplier's work by their representative or by third party agency appointed.
18. The final inspection will however be carried out at work at CFTI, Chennai.
19. Training either at suppliers work or at any other place shall be to the suppliers account.
20. Supplier must enclose in technical bid their offer list of customer (with their full address and their purchase reference no.) to whom they have made similar supplies in the past five years. The date of supply should also be indicated.



21. The supplier should also mention the nearest service centre of the equipment/machines for Servicing/repairing after commissioning.
22. The equipment should be complete in all respect.

(OFFICE SEAL)

(SIGNATURE OF AUTHORIZED PERSON)

NAME :  
DESIGNATION :  
DATED :