



केन्द्रीय पादुका प्रशिक्षण संस्थान
CENTRAL FOOTWEAR TRAINING INSTITUTE
एम एस एम ई तकनीकी विकास केन्द्र
MSME - TECHNOLOGY DEVELOPMENT CENTRE
भारत सरकार की सोसायटी
सूक्ष्म, लघु, एवं मध्यम उद्यम मंत्रालय
Government of India Society
Ministry of Micro, Small & Medium Enterprises



Date: 15.03.2022

To

All Bidders

Subject: Corrigendum in Technical Bid of Tender ID: 2022_DC_678256_1

Tender Title: Supply of 3 D Shoe CAD Software with Hardwares

Sir / Madam,

With reference to the above cited tender id, It is to notified that small corrections being done in the Technical Bid (Detailed Technical Bid enclosed). All other Terms & conditions shall remain unchanged.

The bidders shall be solely responsible for checking the website for any corrigendum issued in this regard and take into consideration the same while preparation & submitting the bids online.

For Central Footwear Training Institute, Chennai

Saravana Bhavan. P.D

Head – Teaching Unit, DCL

**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. The e-Bid shall be submitted online on www.eprocure.gov.in. The Tender is available on 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. T/17013/69(1)/STO-32/21-22
2	Last Date and Time of receipt of Bid	18 th March 2022 by 2.30 PM
3	Date and Time for opening of Technical Bid	19 th March 2022 by 2.30 PM
4	Bid Open place / Delivery location of Tender fee & EMD	Director, Central Footwear Training Institute, MSME – Technology Development Centre, No 65/1, GST Road, Guindy, Chennai – 600 032
5	Machine / Equipment delivery address	CFTI – Extension Centre (Multi Skill Development Centre), No 1,2,3 SIDCO Industrial Estate, CN. Annadurai Road, Vaniyambadi - 635751, Tirupattur District
6	EMD	Rs. 10,000/- Refundable (exempted for registered supplier under NSIC Single Point Scheme / UAM)
7	Tender Fee	Rs. 1000/- Non-Refundable (No Exemption)

Note: The EMD and Tender fee should be paid separately in the form of Demand Draft / Bankers Cheque in favour of “Director, CFTI, Chennai” and should be reached to the Stores of this Institute on or before the Technical Bid Opening date

**B. (On Bidder Letter Head) Technical Specification for 3 D Shoe CAD Software with
Hardwares (e-BID)**

Name of the Item	3 D Shoe CAD Software with Hardwares
EMD	Rs. 10,000/-

Sl. No.	Item	Specification	Required Qty	Offered Specification by bidder with Model No.	Remarks
	3 D Shoe CAD Software				
	3D System (Design Module)	<ul style="list-style-type: none"> - Various design input options viz. free hand drawing, scan using last scanner, picture/photographs, illustrate and sketch using drawing tablets. - 3D last alteration options - Drawing style lines directly onto the last. Sketching and Coloring tool options - Ability to transfer style lines making last surface transparent - Simultaneous view on both 3D and 2D. - Different viewing angles viz., top, bottom, 3/4th and side - E-last (proprietary format) import directly from last makers. Avoids purchase of dedicated last scanners. - All top last makers equipped with software to generate E-lasts. - Advantage of getting lasts much earlier for faster work progressions - Digitize style lines from last picture or last silhouette drawing - Wrap options from picture, sketch, scanned image with combined views – top and bottom - Obtain lines from the wrapped images - Wide range of flattening options based on last and style requirements. - Units and heels 3D modelling directly from the last on the screen - Different shoe components archive (heels, soles, textures, material thickness, ornaments/accessories, labels, logos, colours, laces, stitching etc. which can be edited and reused. - 3D effect on pieces including bumps. - File saves as project with individual retrieval option of last, design, texture etc. which can be reused on another style - Options to scan and incorporate leather and material textures - Pantone Color Card inbuilt - Model transfer from last to last - Advanced rendering software included - Complete 3D visualization of Shoe. - Export to 3D printing - 3D PDF generation for viewing without the software with Adobe Acrobat Reader 	8 Full Licenses	-	-

		<ul style="list-style-type: none"> - Import sole design from mould makers both existing and new. - Last creation both manual and automatic - Copy textures - Complete transfer options from 3D-3D, 3D-2D. 3D and 2D integration - Rendering module for 3D visualization. - Make & Model Number - Name of Origin: - Warranty: 1 Year or More 			
	3D/2D System – Pattern Development (Engineering Module)	<ul style="list-style-type: none"> - AUTO DIGITISE (import of the e-last from last maker) - Accurately control last flattening (Including Moccasin, Boots, Stitch Down, Strobel etc.) - Create the design directly onto 3D lasts. - Immediately see the effects of 2D changes on the 3D style. - Last mirroring (Right/Left foot) - Last ankle/leg extension - Build lasts and shape modifications with centre line and heel curve as guidance factors - 3D flattening with multi and auto options (shells, bottom and pieces) with customizable adjustments - Accurate last flattening. - Accurate last bottom flattening. - Ability to change the model size to any size as per requirement in 3D and 2D - Create complex patterns in a fraction of time. - Grade with any rules no matter how complex. - Simultaneously engineer lasts and uppers using style transfer functions. - Gimping functions in 3D surface - 3D graded lasts. - Segregate lines in groups using colors representing linings, backers, stiffeners - Packets for multiple style storage - Model transfer from last to last with self-adjustments - Style Transfer from 3D to 3D (different lasts) 3D to 2D, 2D-2D. Complete 3D and 2D integration. - Special functions for tubular moccasin with automatic flattening - Advanced functions for macro commands creation - Standard input and outputs for IGES, VRML, STL - Export last and style lines onto 3D PDF - Make & Model Number 	8 Full License s		

		<ul style="list-style-type: none"> - Name of Origin: - Warranty: 1 Year or More 			
	2D System – Pattern Development (Engineering Module)	<ul style="list-style-type: none"> - Digitize or scan patterns for input both standards and pieces - Fully customizable Graphic user interface - Customizable tool and tool bars - Create 2D patterns - Reusable Standards - Lots of options to create lasting margins both fixed and variable. - Spring options both automatic and manual - Ability to generate Normal, Tied lines and patterns - Unfold options for both symmetric and asymmetric patterns - Ability to create various punches and punch lines. Saved as separate files and can be reused again - Dedicated property window for any chosen entity viz, line, pattern, punch, marker etc. - One click option for gimping. - Ability to change the model size to any size as per requirement in 3D and 2D - Extensive Grading with grade centers, restricted grade rules and group grade options. Special grades for boot legs. - Options to work with different grading systems viz. English, Continental, Metric etc. - Arithmetic and Geometric grading options along with Coordinated grading. - Options to work with various size and fits in a single file. Size ranges and fits calculated automatically. One click options to automatically create, quarter, full and 3/4th sizes - Easy options to create macros for complex functions. - Grade with any rules no matter how complex. - Create complex patterns in a fraction of the time. - Easily transfer styles to new standards. - Quickly and easily modify existing styles. - 2D tooling layouts - Various text options to denote, size, style name, piece name etc. - Customizable size codes - Palette options for automatic stitching machines - 2D files in standard formats for cutting machines. - Press punch designs - 3D-2D, 2D-2D style transfer - Segregate lines in groups using colors representing linings, backers, stiffeners - Integrated DXF module for input of CAD files from other softwares. - Automatic Area and Perimeter calculations 	8 Full License s		

		<ul style="list-style-type: none"> - Dedicated Interface software with various output options including SATRASUM. - Ability to nest pattern layouts automatically and manually. - Ability to open and cut multiple interface files - Export various formats including DXF from Interface software - Integration with APA for Area calculations for both leather and synthetic materials using various methods - Integration with Techspec for creating technical specification sheets and instruction booklets for closing (skiving, marking, stitching and folding), finishing and lasting operations. - Make & Model Number - Name of Origin: - Warranty: 1 Year or More 			
	3D Custom - Last Modelling (Custom-Last Module)	<ul style="list-style-type: none"> - Accurate measurements of feet and lasts - Work with either 3D foot scans and/or 2D drafts. - E-last input - An extensive last library and search facility, including a selection of sample last shapes, allows the user to search for the “best fit” starting last which can be modified to the foot shape and measurements. - Powerful last modification tools. - Import and export various last data formats - Ability to mirror lasts (Right/Left foot) - Measuring system allows the shape of feet and lasts to be compared section by section, displaying the results in either 2D or 3D - Ability to modify any part of last geometry with ease. - Create new lasts by mixing toe and back parts. - Ability to add and remove material on any particular area on the surface of the last (both top and bottom) - Ability to convert normal last to boot last - Ability to twist, rotate, cut and trim lasts. - Work with last sections - Last smoothing and patchwork adjustment functions also ensure a high standard end result that can be used for pattern engineering and last production. - Ability to develop accurate lasts for bespoke shoemakers with Custom fit and for Orthopedic Footwear. - Default measures included. - Create user defined measures. - Export 3D last data for production. - Superior measurement. tools compared with manual methods. - Real time, On screen modifications. - Fast and accurate results. 	8 Full License		

		<ul style="list-style-type: none"> - Storage and reference of customer's data. - Last CAD data ready for pattern engineering and last production. - Quick and simple system for conducting foot surveys. - Make & Model Number - Name of Origin: - Warranty: 1 Year or More 			
	Product Data Management (Production Module)	<ul style="list-style-type: none"> - Simple and powerful spreadsheet to perform different types of cost analysis, including "what if simulations" - Include program for Advance Pattern Assessment (for both leather and synthetic materials) - The interface is intuitive and easy to use, despite the large number of features available, and its fully integrated with 2D and 3D engineering packages. - Automatic calculations of information for sizes ranges and fits based on model size - Total integration with word files and spreadsheets. - Derive sample and production costs - Ability to create vendor profiles and products database - Ability to create user profiles with restricted data access and security - Quick consumption in real time during the pattern design phase. - Reduced process time thanks to automatic algorithms for nesting. - Consumption layouts can be stored for further checks. - Dedicated methods for leather and synthetic materials - Extensive BOM with options to catalogue all materials including threads, adhesives, soles etc. - System does not require expert personnel to achieve reliable data, once setup. - Includes operational costs and overhead calculations - The spreadsheets are customizable and data can be interchanged with Microsoft Excel spreadsheet - Develop full production instructions and specifications - User defined report generation considering seasons, gender, currency etc. - Printable records which include nesting layout graphics - Simultaneously update style changes - Fully print specification sheets - Output in PDF, EXCEL, XML and ASCII formats - Make & Model Number - Name of Origin: - Warranty: 1 Year or More 	8 Full License s		

Hardwares					
1	Last Scanner	<ul style="list-style-type: none"> - Colour 3D white light Scanning in High Definition in quick time. - Rotating at 360°. - Capturing the Style Lines drawn on the Last surface, which can be used to create the Shoe Model. - System to fix the 'Lasts' securely and capture the Data points precisely, preferably in "one setting." - The 3D Colour model of the Last should contain a very High Definition (more than 4 Megapixel) colour image which can be exported in various Graphic formats and therefore can be used by other CAD software's. Scanning Volume" of: Cylindrical- 200 mm (Diameter) x 350 mm (Height) - An accuracy of 0.05 mm - Output formats: Vector (3D): DXF, STL, OBJ, ASC, IGS - Totally Automatic Scanning Process with accurate 'Geometry Capture' with the possibility of editing cross-sections and possibility of smoothening the 3D surface. - Automatic calibration procedure. - Compatible with Microsoft Windows 10 – 64 bit - Make & Model Number - Name of Origin: - Warranty: 1 Year or More 	1 No		
2	2D tablet/digitizer	<ul style="list-style-type: none"> - Working Area: 18" x 24" - 4 Button Cursor (Give Options for both Corded as well as Cordless versions) - Accuracy: ± 0.010 in / 0.25 mm - Software compatible with Microsoft Windows 10 versions 64 bit - Resolution: Up to 2,540 lines-per- inch / 100 lines-per-mm - Power Supply: Complete with Universal Power Supply - Hardware Interface: USB, RS-232 Serial - Make & Model Number - Name of Origin: - Warranty: 1 Year or More 	2 Nos		
3	3D Sketch Tablet	<ul style="list-style-type: none"> - Creative Pen Graphic Tablet with Vibrant Ultra HD Display and ProPen Pressure Sensitive Tablet technology. - 'Grip Pen' with High precision and reduced parallax to provide for a natural drawing experience. - HD display IS 3840x2160 which should be scratch resistant and Anti-Glare to prevent distracting reflections as one creates - With the HD display should have - 16.7 million colours bit and the pen should be battery free that charges off screen as one creates - HDMI connection cable 3 in 1, USB / wireless connectivity 	1 No		

		<ul style="list-style-type: none"> - Compatible with Microsoft Windows 10 – 64 bit - With AC power connectivity - Make & Model Number - Name of Origin: - Warranty: 1 Year or More 			
4	Pattern Cutter / Plotter	<ul style="list-style-type: none"> - Cutting Speed: 80cms— 130cm - Cutting Thickness: 0.5mm—2.0 mm - Cutting Materials: red hard paper, plastic board, cardboard, fiber sheet - Tools: Pen, Knife - Motor: Servo motor - Working Area: 900mm x 600mm - Tool parameters: Pen, half cut and full-cut can be set to 8 different types - Mechanical resolution: 0.07mm - Interface: Standard parallel port or serial port. - Ethernet port (Network) for multi-PC input and faster cutting - Command System: HPGL and GPGl compatible modes - LCD Display and touch buttons - Host power consumption: AC 220 + - 10%, 50 HZ - Pump power consumption: AC 220 + - 10%, 50 HZ - Pump Power: 1.1 KW - Compatible with Microsoft Windows 10 – 64 bit - Make & Model Number - Name of Origin: - Warranty: 1 Year or More 	1 No		

<p>General Instructions to Bidder:</p>	<p>Note:</p> <ul style="list-style-type: none"> - The Machine/Equipment/Software listed in the tender documents would be procured from a SINGLE VENDOR and will not be split over multiple vendors for single tender. - Follow all general Term & Conditions. - Technical bid should contain EMD, technical specification, original Technical Leaflet and customer list. - All the pages to be authenticated with signature & stamp of Bidder. - Deviation in any from our specification should be mentioned and justified. <p>To be Uploaded alongwith Technical Bid:</p> <ul style="list-style-type: none"> - Original technical leaflet/Technical Details of specific Make & Model - Authorization letter from OEM - Total number of Installations country wide with customer details - Details of Service Centre with number of trained and qualified personnel for Service Backup - List of Training details on the Hardware and software to be supplied - Details of the software license offer - Details of the warranty and offer of spares - Details of the software version updates annually - Details of the Manual and Documentation that will be supplied
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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 OEM 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 / Bidder
(With Seal)

ANNEXURE –I

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

1. The Tender Fee and Earnest Money Deposit (EMD) through DD & EMD through DD/ Bank Guarantee in favour of “Director, CFTI, Chennai” should be sent via Speed Post / Courier to the “Director, Central Footwear Training Institute, No 65/1, GST Road, Guindy, Chennai – 600 032 (TamilNadu) or should be produced to the Stores of this Institute within the date of Technical Bid Opening.

2. 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’s Original scanned technical leaflet & Brochures.
- (d) Manufacturer’s (OEM) Authorization Letter
- (e) Technical Bid 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 for supply of Machines / Items as mentioned in Point No. B. E-Bids shall be submitted within the specified date

3. **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 Institute 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 Institute 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 Institute 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 Institute 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 Institute 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 Institute, in case of rejections, immediately within a period of 7 days. The party shall bear for all costs and expenses involved in such an event.
9. The offers quoted shall be for free delivery to **CFTI – Extension Centre (Multi Skill Development Centre), No 1,2,3 SIDCO Industrial Estate, CN. Annadurai Road, Vaniyambadi - 635751, Tirupattur District.** For outstation parties, the supplies must be made on door delivery basis at the premises of the Institute in the above address, 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 Institute's premises designated by the Institute 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 machine / equipment / Software should be complete in all respect (i.e Plug and Play).

Declaration:

We are agreeing with all the above-mentioned terms & conditions

(OFFICE SEAL)

(SIGNATURE OF AUTHORIZED PERSON / BIDDER)

NAME :

DESIGNATION :

DATED :