## NATIONAL INSTITUTE OF FASHION TECHNOLOGY

(A statutory body governed by the NIFT Act 2006 and set up by the Ministry of Textiles, Govt. of India)

NIFT CAMPUS, NEAR GULMOHAR PARK, HAUZ KHAS, NEW DELHI – 110016 PHONE: (011)26542071/2176, EMAIL ID- purchase.ho@nift.ac.in

Tender No. 1351(2)/NIFT/Pur-HO/INDIAsizeProject/3D Whole Body Scanning System/2018

## GLOBAL TENDER DOCUMENT FOR

## THE PROCUREMENT OF 3D WHOLE BODY HUMAN SCANNING SYSTEM

## **Time Schedule for Tender Process**

Date of Publication of Tender notification on	02.08.2018 at 1700 Hours (IST)
official website/e-Portal	
Download of Tender Document Commence from	02.08.2018 at 1800 Hours (IST)
Pre-Bid Meeting	13.08.2018 at 1100 Hours (IST)
Last Date of download of Tender Document	31.08.2018 at 1200 Hours (IST)
Last Date for submission of duly filled in Tenders	31.08.2018 at 1500 Hours (IST)
Date and Time of the opening Technical Bids	31.08.2018 at 1600 Hours (IST)
Date and Time of the opening Price Bids	Will be notified to the technically qualified Bidders

Note: This tender document contains 86 pages (Total no. of pages including Annexure) and Bidders are requested to sign on all the pages.

I accept the above terms & condition	งทร
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#### **BACKGROUND**

#### **ABOUT NIFT**

National Institute of Fashion Technology (NIFT) was set up by the Ministry of Textiles, Government of India in 1986 which has been accorded statutory status under the Act of Parliament in 2006 (NIFT Act 2006) for the promotion and development of education and research in field of Fashion Technology. NIFT provides fashion business education across the country through its network of 16 campuses. It provides four years under graduate (UG) program in design and technology, two years post graduate (PG) program in design, fashion management & fashion technology and short duration education program to address the specialized needs of professional and students in the field of fashion.

NIFT has its Head Office at New Delhi with its campuses located at Bengaluru, Bhopal, Bhubaneswar, Chennai, Gandhinagar, Hyderabad, Jodhpur, Kangra, Kannur, Kolkata, Mumbai, New Delhi, Patna, Raebareli, Shillong and Srinagar.

## ABOUT INDIASIZE - NATIONAL SIZING SURVEY OF INDIA

NIFT under the aegis of Ministry of Textiles, Govt. of India, is undertaking an extensive research study to develop a comprehensive size chart for ready to wear industry based on body measurements of the Indian population.

The project will entail measuring of 25000 (Twenty Five Thousand) male and female persons between the age group of 15 years and 65 years and above in six different cities located in six regions of India i.e. Kolkata (East), Mumbai (West), New Delhi (North), Hyderabad (Centre), Chennai (South), and Shillong (North-East) using 3D whole body scanners.

The scanner is expected to extract listed anthropometric measurements in various postures with accuracy as specified and meeting all the stated technical specifications and ISO compliance standards. The scanning system should provide for data analysis tools required to analyse the collected data to create a size chart and its extensions and derivatives. The demographic data, scanning data, scanned images / avatar and data should be saved for use later.

#### TENDER OVERVIEW

Online bids under two bid systems, through e-procurement are invited by National Institute of Fashion Technology (NIFT) from the reputed OEM/Manufacturer/Traders/Dealers for 3D Whole Body Scanner. The method of submission of tender, amount of Earnest money / Performance Security and General Terms and Conditions applicable to tender and the technical specifications have been given in the Tender document. The Proforma for submission of tender has been given in Eligibility- Annexure 1, Technical Bid - Annexure 2 (6.1 & 6.2) and Price Bid- Annexure 4 of this Notice Inviting Tender.

This tender document is divided into IV Parts and 4 Annexure

- **1. Part I** Contains General Information & Instructions for the Bidders about the Tender such as the time, place of submission and opening of bids, Validity period bids, EMD etc.
- **2. Part II** Contains Standard Terms & Conditions of Tender, which will form part of the Contract/Supply Order with the successful Bidder
- **3. Part III** Contains Payment and delivery Terms & Conditions applicable to this Tender document and which will also form part of the Contract with the successful Bidder like Delivery Period, Terms of delivery, Mode of payment, Consignee details etc.
- 4. Part IV Contains Evaluation Criteria of Bids
- **5. Annexure 1**Contains Eligibility for procurement of 3D whole body scanner including bidders experience
- **6. Annexure 2** Contains Technical Conditions of Contract and detailed Technical Specifications
- 7. Annexure 3 Contains detailed NIFT Specified Human Body Dimensions
- **8. Annexure 4** Contains Price Bid Format
- 9. Annexure 5- Contains bank guarantee format for furnishing EMD

#### ONLINE SUBMISSION OF TENDER

Online submission of eligibility criteria and technical bid as prescribed in Annexure-1&2 are to be made along with scanned copies of Earnest Money Deposit (EMD) of USD 7500 (USD Seven thousand and five hundred only) in favor of 'National Institute of Fashion Technology' and payable at New Delhi

with all relevant documents. Please refer Clause 1.2 of tender document on EMD. Online financial bid may be submitted /filled only as per Annexure–4.

The online financial bid will be opened on the date which will be communicated to only those bidders who are found to be technically qualified after evaluation of technical bids.

The interested bidders are advised to read carefully the entire tender document before submitting their tender. The tender documents not received online in prescribed format and/or are found incomplete in any respect will be summarily rejected.

Any further clarifications can be sought from the service provider for online submission of the tender on e-portal i.e. Mr. Sandeep Bhandari Mobile No. +91 8826814007, alternate number NIFT Purchase Officer +91 11 2654 2176/ 2071/ +91 9891628548.

You are required to sign each page of each part of this tender document for acceptance of terms and conditions and submit alongwith your bid.

This tender document is being issued with no financial commitment and the buyer reserves the right to change or vary any part thereof or foreclose the procurement case at any stage. The Buyer also reserves the right to disqualify any vendor, should it be necessary, at any stage on grounds of National Security.

You may contact The Purchase Officer, National Institute of Fashion Technology, NIFT Campus, Near Gulmohar Park, Hauz Khas, New Delhi-110016, Phone No. +91 11 26542017/2176, email-purchase.ho@nift.ac.in for grievance related to bidding condition, bidding process and/or rejection of bid. With regards to bidding condition, this shall be done in writing atleast 10 days in advance of the stipulated date of submission of bid.

## PROCESS OF ONLINE REGISTRATION

The interested vendors should apply online and submit their tender and the bids along with scanned copies of all the relevant certificates, documents, etc. in support of their technical & price bids, all duly signed, on the https://nifttenders.eproc.in from 02.08.2018 at 1800 Hours (IST) up to 31.08.2018 at

1500 Hours (IST). Tender document is also available for viewing on the "tenders" link of the NIFT website i.e. https://nifttenders.eproc.in; http://www.nift.ac.in.

Applications to this tender will be accepted only through the online mode through https://nifttenders.eproc.in.

No other mode of application will be considered.

For applying online, the firm should get itself registered at https://nifttenders.eproc.in by paying online.

#### Please note that

- a) The bidder needs to mention his Company Name, Address, User ID to register.
- b) Registration Charges of Rs. 2000/- + 360/- (18%GST) = Rs. 2,360/- (Two Thousand Three Hundred Sixty only Non refundable are to be borne by Seller) to be made through NEFT.
- c) Bid Processing Fee charges of Rs. 5000 + 900 (18%GST) = Rs. 5,900 (Five thousand and nine hundred only, non refundable) to be made through NEFT.
- d) Bidders need to send the scanned copies of UTR no. to ancal.garg@c1india.com and sandeep.bhandari@c1india.com mentioning their Company Name, Address and User ID for Approval of Registration and Tender ID and Tender Title for Approval of Bid Processing fees.

The basic requirements for registration and applying for tender online are as under:

- a) Operating System should be Windows 7 and above.
- b) Java version: Java 7 update 51.
- c) Internet Explorer 8 and above or Mozilla Firefox.
- d) All java add-ons must be enabled in the system.
- e) Use Class III B Digital Signature Certificates (DSC) having Signing and Encryption both.

#### SCOPE OF SUPPLY

## Scope of supply comprises of the following which are detailed in table below-

- I. 3D Whole Body Scanning system
- II. Training and Operational support
- III. Warranty, AMC, Product support and Local support
- IV. Logistics

I.3D Whole Body Scanning system		
S. No.	Items	Number of Units License
1.	3D Whole body scanner	3
2.	Scanner Computing system	3
3.	3 D Scan Processing Software	3 Licenses
4.	Measurement extraction and Avatar creating Software	3 Licenses
5.	Post Processing software	3 Licenses
6.	Calibration Unit (if required)	3
7.	Height adjustable stool for scanning in sitting posture	3
8.	Weighing Platform	3
9.	3 D markers for landmark identification (If required)	For 12500 scans such markers should be safe for use on human subjects.
10.	Integration of 3D Whole body scanning system with NIFT procured cloud services	Integration of 3D whole body scanning system with NIFT procured cloud services for storing, processing, retrieval of the scanned data including the Avatar which may be used for data analysis.  Additionally to provide entire data at local platform at NIFT
11.	Portable scanning booth	3
12.	Portable Changing booth	6
II. Trai	ning and Operational support	
1.	Training	Supplier to provide training and refresher training as per the details provided in

		Annexure 2 - II. Training and Operational
		support B1
2.		Supplier to provide technical and
		operational support for installation (on
	Technical & Operational support -1 (Data	stationary or mobile platform like trailers
	Collection)	etc) and data collection on all locations as
		per the details provided in Annexure 2 - II.
		Training and Operational support B2
3.		Supplier to provide consultant (from the
	Technical support (in person and not	parent company/scanner company) for
	remote)	data analysis as per the details provided
	(Post Data Collection)	in Annexure 2 - II. Training and
		Operational support B3
III. Wa	rranty, AMC, Product support and Local su	pport
1.		Supplier to ensure warranty, service level
	Warranty & AMC	guarantee and AMC as per Clause 3.17 of
		the tender document.
2.	Product support	Supplier to have presence (local offices)
2	11	and technical support in India either their
3.		own or through legally appointed agents
	Local support	who can provide reliable service on behalf
		of the supplier.
IV. Log	istics	
1.		All the equipments should be provided
	Scanner unit packaging box	with the appropriate robust, durable and
		reusable eco friendly containers.
2.		There should be a provision of
	Transport to different locations	transporting each scanner within Indian
	Transport to unierent locations	territories as per Clause 3.13 of tender
		document and associated activities.

## **Special Requirement- Free Sample**

## **Scanning Attire**

Supplier has to provide three sample sets of typical attire for Small, Medium and Large size for both male and female compatible with the 3D Whole body scanner on offer at the following address through speed post/ Courier post on or before closing date and time of bid 31.08.2018 at 1500 Hours (IST).

The Purchase Officer, National Institute of Fashion Technology, NIFT Campus, Near Gulmohar Park, Hauz Khas, New Delhi-110016.

Any extra equipment or parts required by the scanner to function completely to meet the objective of the procurement but missed above in the scope of supply by NIFT should also be listed with reason and quoted.

#### 1. PART I – GENERAL INFORMATION AND INSTRUCTIONS

#### 1.1. INFORMATION ON TENDER

- 1.1.1. The Tender document in English may be downloaded free of cost from CPP Portal https://nifttenders.eproc.in and NIFT web site www.nift.ac.in, from 02.08.2018 at 1800 Hours (IST).
- 1.1.2. A Pre-bid meeting to explain the exact scope of the work and to resolve queries of the participating agencies will be organized by NIFT on 13.08.2018 at 1100 Hours (IST) in the Boardroom of NIFT HO, Hauz Khas, New Delhi.
- 1.1.3. Interested agencies will be required to register online as indicated in Process of online registration page 6.
- 1.1.4. The Bids (both Technical and Price bid), have to be submitted through online only. The responsibility to ensure this lies with the Bidder.
- 1.1.5. Last Date and Time for submitting the Bids: On 31.08.2018 at 1500 Hours (IST).

## 1.2. EARNEST MONEY DEPOSIT (EMD)

Bidders are required to submit Earnest Money Deposit (EMD), in favour of National Institute of Fashion Technology payable at New Delhi, in USD 7500 or equivalent bank guarantee with minimum validity of 3 months along with the bids.

At present ICICI Bank Ltd., Axis Bank Ltd. and HDFC Bank Ltd. are the 03 private sector banks authorized to carry out government transactions. In case of foreign bidder, EMD is to be submitted in the form of appropriate Bank Guarantee from a first class bank of international repute.

#### 1.3. PROCEDURE FOR SUBMISSION OF BID

The tender document (Technical bid and Price Bid) should be submitted through online process only. EMD should be submitted along with the bids.

Only the Technical bids would be opened on the time and date mentioned. Date of opening of the Price Bids will be intimated after evaluation and acceptance of the Technical bids. The Price bid of the Bidders whose Technical bids are found non-compliant, will be rejected and the EMD returned. Bids should be submitted by Bidders only under their original Letter head inter alia furnishing details like GST number (if applicable), Bank address with EFT Account/ SWIFT, as applicable and complete postal and e-mail addresses of their office failing which the bid will not be considered.

## 1.4. CLARIFICATION REGARDING CONTENTS OF THE TENDER

A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to NIFT in writing about the clarifications sought not later than 02 (two) working days prior to the Pre-bid meeting on 13.08.2018 at 1100 Hours (IST). Copies of the query and clarifications by NIFT would be posted on the website. No clarification will be issued after opening of the bid.

#### 1.5. AMENDMENT OF THE TENDER CONDITIONS

NIFT may amend the Tender conditions up to 05 days i.e. 15.08.2018 prior to the time fixed for last date of the Bid submission. Amendment to the tender, in response to clarifications sought by prospective Bidder's, is solely at the discretion of NIFT. Such amendments will be notified on e-procurement CPP portal and NIFT's website. NIFT, at its discretion, may or may not extend the due date and tie for the submission of bids on account of amendments. Extension of time, if any, will be notified on e-procurement CPP portal and NIFT's website. All the bidder's are advised to periodically browse NIFT website <a href="www.nift.ac.in">www.nift.ac.in</a> and e-procurement CPP portal https://nifttenders.eproc.in for any amendments or corrigenda issued in connection with this Tender. NIFT will not be responsible for any misinterpretation of the provisions of this tender document on account of the Bidder's failure to update the bid documents based on changes announced through the website.

#### 1.6. TIME AND DATE FOR OPENING OF BIDS

Opening of Technical Bid date and time: 31.08.2018 at 1600 Hours (IST).

Opening of Price Bid date will be intimated in due course to the technically qualified bidder.

If due to any exigency, the due date for opening of the bids is declared a closed holiday, the bids will be opened on the next working day at the same time or on any other day/time, as intimated by NIFT.

#### 1.7. PLACE OF OPENING OF THE BIDS

Boardroom, National Institute of Fashion Technology, Head Office, Hauz Khas, New Delhi-16. The Bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids on the due date and time. This event will not be postponed due to non-presence of representative of any bidder.

#### 1.8. INDIAN FIRM

An Indian agent can quote on behalf of their OEM only if they are either a 100% subsidiary of the OEM or an Indian Agent of the foreign OEM in accordance with their agency agreement. The firms claiming to be:

- 1.8.1. A 100% subsidiary would be required to submit documentary evidence in support of their claim along with their Technical bid failing which their bid would be disqualified.
- 1.8.2. An agent of foreign OEM, for submitting the bid on behalf of OEM, would be required to submit a copy of their agency agreement with their principals along with their Technical bid, failing which their bid would be disqualified.

#### 1.9. VALIDITY OF BIDS

Minimum 180 days from the date of opening of the technical bid of the tender. Firms are required to submit the EMD as specified in this tender before opening of the technical bid, failing which their offer will be considered further incomplete and non responsive and shall not be opened/ considered further. It may also be noted that withdrawal/amendment to the offer by the bidder on suo-moto basis after the opening of the technical bid shall lead to forfeiture of the EMD and debarment of the firm from further cycles of procurement.

#### 1.10. MODIFICATION AND WITHDRAWAL OF BIDS

A bidder may modify or withdraw his Bid after submission provided that the written notice of modification or withdrawal is received by NIFT prior to deadline prescribed for submission of bids. A withdrawal notice may be sent by e-mail; however, it should be followed by a signed confirmation copy to be sent by post. Signed scanned copy and such signed confirmation of withdrawal should reach the buyer not later than the deadline for submission of bids. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the specified period of bid validity.

## 1.11. REJECTION OF BIDS

Canvassing by the Bidder in any form including unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected. Non-compliance to the conditions of General Information & Technical Bid will be liable to be disqualified.

## 1.12. BIDS OF DEBARRED/BLACKLISTED FIRMS

Bids of debarred/blacklisted firms will not be considered for evaluation.

#### 2. PART II – STANDARD TERMS AND CONDITIONS

The Bidder is required to give confirmation of their acceptance of the Standard Terms and Conditions of the Tender mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (hence forth referred to as Seller) as selected by the Buyer. Failure to do so may result in rejection of the Bid submitted by the successful Bidder.

#### 2.1. EFFECTIVE DATE OF THE CONTRACT

In case of placement of a supply order, the date of the Supply Order would be deemed as effective date.

#### 2.2. GOVERNING LAW

The Contract shall be governed and interpreted in accordance with the laws of India and shall be subject to the exclusive jurisdiction of Courts at New Delhi only.

#### 2.3. ARBITRATION

All disputes or differences arising out of or in connection with the Contract shall be settled through mutual consent between the parties. Any dispute, disagreement or question arising out of or relating to the Contract or relating to product or performance, which cannot be settled amicably, shall be resolved by arbitration as follows-

- 2.3.1. The case of arbitration may be referred to Director General of NIFT or a person appointed by him/her who will be the sole arbitrator and the arbitration proceeding shall be in accordance with the prevailing Arbitration and Conciliation Act, 1996 and Laws of India as amended or enacted from time to time.
- 2.3.2. The venue of the arbitration shall be New Delhi, India & the language of arbitration shall be English. The fee & other charges of Arbitrator shall be

- determined by the arbitrator in terms of the Act and shall be shared equally between the parties.
- 2.3.3. The arbitrator shall have powers to award only such remedy as is contemplated by this Agreement, including as appropriate, injunctive relief.
- 2.3.4. The parties shall not be entitled to any pendent-lite interest during arbitration proceedings.

#### 2.4. PENALTY FOR USE OF UNDUE INFLUENCE

The Seller undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contract or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the Contract or any other contract with the Government of India for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other contract with the Government of India. Any breach of the aforesaid undertaking by the Seller or anyone employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/ penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.

## 2.5. AGENTS / AGENCY COMMISSION

The Seller confirms and declares to the Buyer that the Seller is the original manufacturer of the stores/provider of the services referred to in this Supply Order and has not engaged any individual or firm, whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, to the award of the Supply Order to the Seller; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Seller agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that the Seller has engaged any such individual/firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this Supply Order, the Seller will be liable to refund that amount to the Buyer. The Seller shall also be debarred from entering into any Supply Order with the Government of India for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Supply Order either wholly or in part, without any entitlement or compensation to the Seller who shall in such an event be liable to refund all payments made by the Buyer in terms of the Supply Order along with interest at the rate of 2% per annum above Prime Lending Rate of State Bank of India for Indian bidders and (ii) London Inter Bank Offered rate (IBOR) for the foreign bidder. The Buyer will also have the right to recover any such amount from any Supply Orders concluded earlier with the Government of India.

#### 2.6. ACCESS TO BOOKS OF ACCOUNTS

In case it is found to the satisfaction of the Buyer that the Seller has engaged an Agent or paid commission or influenced any person to obtain the Supply Order as described in clauses relating to Agents/Agency Commission (Clause 2.5) and Penalty for Use of Undue Influence (Clause 2.4), the Seller, on a specific request of the Buyer, shall provide necessary information/ inspection of the relevant financial documents/information/Books of Accounts.

#### 2.7. NON-DISCLOSURE OF CONTRACT DOCUMENTS

Except with the written consent of the Buyer/ Seller, no other party shall disclose the Contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

#### 2.8. WITHHOLDING OF PAYMENT

In the event of the Seller's failure to submit the Bonds, Guarantees and Documents, supply the stores/goods and conduct trials, installation of equipment, training, etc. as specified in the Contract, the Buyer may, at his discretion, withhold any payment until the completion of the Contract.

## 2.9. LIQUIDATED DAMAGES

The Buyer may deduct from the Seller, as agreed, liquidated damages at the rate of 0.5% per week/part thereof, of value of stores that could not be put to use due to late delivery subject to a maximum of 10% of the total order value (inclusive of taxes and duty) of the Contract.

## 2.10. FORCE MAJEURE

Force Majeure shall mean any cause which is beyond the control of a Party or Parties or the Party invoking force majeure, including but not limited to the following: any law, decree, regulation, order, or request of any governmental authority, nationalization, expropriation, confiscation, requisition, riot, war, hostilities, public disturbance, act of the public enemy, strike, lock out, or other labor dispute, fire, flood, earthquake, storm, explosion, or Act of God.

If either Party is prevented from or delayed in carrying out any provision of this Agreement by reason of Force Majeure the Party whose performance is so prevented or delayed, upon prompt written notice thereof to the other Party, shall be excused from such performance to the extent and during the period of such prevention or delay.

This clause shall not be available to a Party if such Party fails to use reasonable diligence to remedy by the applicable situation described in above clause hereof with reasonable dispatch or if such applicable situation is caused by such Party.

The party for which it becomes impossible to meet obligations under the Contract due to Force Majeure conditions, is to notify in written form to the other party of the beginning and cessation of the above circumstances immediately, but in any case not later than 10 (Ten) days from their commencement.

Certificate of a Chamber of Commerce (Commerce and Industry) or other competent authority or organization of the respective country shall be considered as sufficient proof of commencement and cessation of the above circumstances.

If the impossibility of complete or partial performance of an obligation lasts for more than 6 (six) months, either party hereto reserves the right to terminate the Contract totally or partially upon giving prior written notice of 30 (thirty) days to the other party of the intention to terminate without any liability other than reimbursement on the terms provided in the agreement for the goods received.

Force Majeure will be applicable for 5 years (i.e. 3 years from first installation and subsequently two years of AMC) or completion of the project whichever is earlier.

#### 2.11. TRANSFER AND SUB-LETTING

The Seller has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the Contract or any part thereof without written consent of the Buyer.

#### 2.12. USE OF PATENTS AND OTHER INDUSTRIAL PROPERTY RIGHTS

The prices stated in the Contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered charges, trademarks and payments for any other Industrial Property Rights. The Seller shall indemnify the Buyer against all claims from a third

party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or use. The Seller shall be responsible for the completion of the supplies including spares, tools, technical literature and training aggregates irrespective of the fact of infringement of the supplies or any or all the rights mentioned above.

#### 2.13. TERMINATION OF CONTRACT

The Buyer shall have the right to terminate the Contract in part or in full in any of the following cases in addition to the clauses heretofore provided, viz:-

- 2.13.1. If the downtime of the scanning system exceeds 35 days and amount adjusted from performance security
- 2.13.2. The store/service is not received/rendered as per the contracted schedule(s) and the same has not been extended by the Buyer except in case of Force Majeure
- 2.13.3. The seller refuses to execute the order or shows inability to meet or keep up the performance guarantee level as specified in Clause 3.17
- 2.13.4. Seller commits breach of any terms and condition of the contract/bid or that of the service
- 2.13.5. The Seller is declared bankrupt or becomes insolvent

#### 2.14. AMENDMENTS

No provision of the Contract shall be changed or modified in any way (including this provision) either in whole or in part except when both the parties are in written agreement for amending the Contract.

#### 2.15. TAXES AND DUTIES

#### **2.15.1. Customs Duty :**

(a) NIFT is registered with the Department of Scientific and Industrial Research (DSIR) for the purpose of availing custom duty exemption in terms of

Government Notification No. 51/96- Customs dated 23 July, 1996 (which requires that only 5% Custom duty is to be paid) and Central Excise Duty exemption in terms of Government Notification No. 10/97 – Central excise dated 1 March, 1997 as amended time to time, valid till 2020. And as per GST Council meeting held on 03.06.2017, IGST exemption on imports under Customs Notification number 51/96 dated 23.-7.1996 is permitted under GST regime in India. Hence IGST is exempted on goods.

- (b) The successful bidder would be issued a Customs Duty Exemption Certificate (CDEC) under the said notification at the time of import clearance for the goods being imported against the Contract. Sellers would be required to submit a copy of their order to buyer along with buyer's acceptance and proforma invoice at least four weeks in advance from the expected date of arrival of goods to this office for issuance of CDEC.
- (c) Bidders may note that Customs Duty Exemption Certificate (CDEC) would be issued ONLY in favour of the seller.
- 2.15.2. **In respect of Foreign Bidders:** All taxes, duties, levies and charges which are to be paid for the delivery of stores/services, including advance samples, shall be paid by the parties under the Contract in their respective countries. However, the corporate/individual income tax, if applicable, will continue to be paid by the concerned party/individual.

## 2.15.3. In respect of Indian Bidders

- (a) If the quoted prices exclude Customs Duty, GST or any other Statutory Duties/Taxes, the same must be specifically stated in separate statement showing applicable rates. In the absence of same, it will be presumed that the prices include all such charges and no claim for the same will be entertained. An omnibus declaration of "taxes extra" will not be accepted.
- (b) If reimbursement of any Duty/Tax is intended as extra over the quoted prices, the Bidder must specifically say so. In the absence of any such stipulation it will

- be presumed that the prices quoted are firm and final and no claim on account of such duty/tax will be entrained after the opening of tenders.
- (c) If a Bidder chooses to quote a price inclusive of any duty/tax and does not confirm that duty/tax so included is firm and final, he should clearly indicate the rate of such duty/tax and quantum of such duty/tax included in the price. Failure to do so may result in ignoring any request for change of duty/tax at a later date.
- (d) Any addition to duty/tax and change in any duty/tax upward/downward as a result of any statutory variation in duty/tax taking place within contract terms shall be allowed to the extent of actual quantum of such variation of duty/tax paid by the Seller. Similarly, in case of downward revision in any duty/tax, the actual quantum of reduction of such duty/tax shall be reimbursed to the Buyer by the Seller. All such adjustments shall include all reliefs, exemptions, rebates, concession etc., if any, obtained by the Seller.

## 3. PART III - PAYMENT AND DELIVERY TERMS

The Bidder is required to give confirmation of their acceptance of Payment and Delivery Terms of the tender mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder as selected by the Buyer. Failure to do so may result in rejection of Bid submitted by the Bidder.

#### 3.1. PERFORMANCE SECURITY DEPOSIT

- 3.1.1. Successful bidder will be required to submit performance security deposit within 30 days of contract for due performance of contract. The amount of performance security deposit will be 10% of contract value in USD. The Performance Security Deposit will be retained by the Buyer, in case the conditions regarding adherence to delivery schedule and/or other provisions of the contract are not fulfilled by the Seller.
  - Performance Security Deposit will be applicable for five years i.e. (3 years from first installation and subsequently 2 years for AMC) or completion of project whichever is earlier.
- 3.1.2. Failure to submit performance security deposit may entail cancellation of contract and forfeiter of EMD. Bidder will be also liable to be blacklisted.
- 3.1.3. Indian suppliers: The performance security deposit will be in the form of demand draft or bank guarantee on non-judicial stamp paper in the specified format (will be provided to the successful bidder by NIFT). The Bank Guarantee shall be submitted from a public sector bank and should be valid up to 60 days beyond the contract period.

3.1.4. Foreign suppliers: The Seller will be required to furnish a Performance Security by way of a Bank Guarantee from the Seller's Bank through an internationally recognized first class Bank in favour of the National Institute of Fashion Technology, New Delhi, India to be confirmed by an Indian public sector bank. Bank Guarantee should be valid up to 60 days beyond the contract period. The Bank Guarantee shall be considered open upon receipt by the Buyer's Bank. In case any claims or any other contract obligations are outstanding, the Seller will extend by the way of Bank Guarantee as asked for by the Buyer till such time as the Seller settles all claims and completes all contract obligations. The Bank Guarantee will be subject to encashment by the Buyer, in case the conditions regarding adherence to delivery schedule, settlement of claims and other provisions of the contract are not fulfilled by the Seller.

#### 3.2. OPTION CLAUSE

The Contract will have an Option Clause, wherein the Buyer can exercise an option to procure upto an additional two 3D whole body scanning system at the original contracted quantity in accordance with the same terms and conditions of the Contract. This will be applicable within the currency of the Contract. It will be entirely the discretion of the Buyer to exercise this option or not.

The option clause will be exercised within a period of 120 days from placement of the first order.

#### 3.3. PURCHASE PREFERENCE CLAUSE

Purchase preference will be granted to the nominated agencies for the specified quantity as per the extant policy of Government of India.

#### 3.4. PERMISSIBLE TIME FRAME FOR SUBMISSION OF BILLS

To claim payment (part or full), the Seller shall submit the bill(s) along with the relevant documents within 30 days from the completion of the supply.

#### 3.5. PAYMENT TERMS

## The release of the payment will be as follows-

## 3.5.1. **3D Whole Body Scanning System**

- a) 70% payment of the cost of the 3D whole body scanning system within 30 days after receipt, acceptance and satisfactory installation (as certified by the NIFT core team )at first venue of equipment in good condition or the date of receipt of the bill whichever is later.
- b) 15% of the cost of the 3D whole body scanning system on successful completion of training, as certified by the NIFT core team
- c) Balance 15% payment of cost of the 3D whole body scanning system will be released after completion of warranty/guarantee period. This can also be released on furnishing an irrevocable bank guarantee/DD in the prescribed format for the equivalent amount valid for the duration of such warranty/guarantee, wherever applicable.

## 3.5.2. Training - (6.1.II B1- Annexure 2 - II. Training and Operational support)

50% of the training cost will be released (as per price bid) after satisfactory completion of 1st training (conducted after installation on first venue) on certification by core team. The remaining payment of training cost will be released after Refresher training.

# 3.5.3. Operational /Technical support -(6.1.II B2&B3- Annexure 2 - II. Training and Operational support )

Payment would be released (as per price bid) after satisfactory completion of each operational and Technical support activity undertaken in each city by the supplier after certification by the NIFT core team.

For example first payment of 5 days will be released after successful completion of the support activity in Delhi, next after completion of activity in Mumbai and Last of 30 days after completion of data analysis

## 3.5.4. **AMC** (clause 3.17.3)- as and when undertaken

#### 3.5.5. **Logistics -(clause 3.13)**

Payment would be released as per price bid on successful completion of the activity within a city and transport of scanner to next city on production of original invoice. For example

- First payment will be released after completion of the activity in Delhi and transfer of all the 3 scanners to Mumbai.
- Second payment after completion of activity in Mumbai and transfer of all the 3 scanners to Chennai.
- Third payment after completion of activity in Chennai and transfer of all the 3 scanners to Hyderabad.
- Fourth payment after completion of activity in Hyderabad and transfer of all the 3 scanners scanner to Kolkata.
- Fifth payment after completion of activity in Kolkata and transfer of one scanner to Delhi; another scanner to Mumbai and third scanner to Shillong
- Last payment completion of activity in Shillong and transfer of scanner to Kolkata.

#### 3.6. ADVANCE PAYMENTS

No advance payment will be made.

#### 3.7. PART SUPPLY AND PRO RATA PAYMENT

Part supply will not be accepted.

#### 3.8. MODE OF PAYMENT

3.8.1. **For Indian Seller:** It will be mandatory for the Bidders to indicate their bank account numbers and other relevant e-payment details to facilitate payments through ECS/EFT mechanism instead of payment through cheque wherever feasible.

## 3.8.2. **For Foreign Seller:**

- a) The payment will be arranged through Letter of Credit from Reserve Bank of India/State bank of India/any other Public Sector Bank, as decided by the Buyer, to the Bank of the Foreign Seller as per mutually agreed terms and conditions. The Letter of Credit will preferably be opened with validity of 90 days from the date of its opening, on extendable basis by mutual consent of both the parties. Letter of Credit opening charges in India will be borne by the Buyer. However, the extension charges, if any, will be borne by the party responsible for the extension.
- b) For contract costing up to US \$ 100,000, preferable mode of payment will be by Direct Bank Transfer (DBT). DBT payment will be made within 30 days of receipt of clean Bill of Lading / AWB /Proof of shipment and such other documents as are provided for in the contract, but such payments will be subject to the deductions of such amounts as the Seller may be liable to pay under the agreed terms of the Contract.

#### 3.9. DOCUMENTS TO BE FURNISHED FOR CLAIMING PAYMENT

- 3.9.1. **Indian Seller:** The payment of bills will be made on submission of the following documents by the Seller to the Buyer:
  - a) Ink-signed copy of Commercial Invoice / Seller's Bill.
  - b) Guarantee/WarrantyCertificate.
  - c) Bank Guarantee/Indemnity Bond, if applicable.
  - d) Details for electronic payment viz. Bank name, Branch name and address, Account Number, IFS Code, MICR Number (if these details are not already incorporated in the Contract).
  - e) Original copy of the Contract and amendments thereon, if any.
  - f) Any other document/ certificate that may be provided for in the Contract.

- 3.9.2. **Foreign Seller:** In case of payment through Letter of Credit (LC), paid shipping documents are to be provided to the Bank by the Seller as a proof of dispatch of goods as per contractual terms /LC conditions so that the Seller gets payment from LC. The Bank will forward these documents to the Buyer for getting the goods/stores released from the Port/Airport. However, where the mode of payment is DBT, the paid shipping documents are to be provided to the paying authority by the Buyer. Documents will include:
  - a) Clean on Board Airway Bill/Bill of Lading
  - b) Original Invoice
  - c) Packing List
  - d) Certificate of Origin from Seller's Chamber of Commerce, if any.
  - e) Certificate of Quality and year of manufacture from OEM.
  - f) Dangerous Cargo Certificate, if applicable.
  - g) Insurance Policy of 110% value in case of CIF/ CIP contract
  - h) Certificate of Conformity and Acceptance Test at PDI, if any.
  - i) Phyto-sanitary/Fumigation Certificate, if any
  - j) Performance Bond / Warranty Certificate.
  - k) Bank Guarantee/ Indemnity Bond, if applicable.
  - Details for electronic payment viz. Bank name, Branch name and address, Account Number SWIFT Code (if these details are not already incorporated in the Contract).
  - m) Original copy of the Contract and amendments thereon, if any.
  - n) Any other documents as provided for in the Contract.

#### 3.10. EXPORT LICENSE

The Bidder is required to furnish full details and formats of End Use Certificate required for obtaining export clearance from the country of origin. This information will be submitted along with Technical Bid. In the absence of such information, it would be deemed that no document is required from the Buyer for export clearance from the country of origin.

#### 3.11. FREE ISSUE OF MATERIAL (FIM)

The FIM offered may be indicated as per the format below:

Sl. No.	Description of Store(s)	Qty.	Unit Cost	Total Cost

#### 3.12. DELIVERY PERIOD

Expected Delivery Period for supply of items/rendering services would be 12 weeks from the Effective Date of the Contract. Please note that the Contract can be cancelled unilaterally by the Buyer in case items are not received within the contracted delivery period. Extension of contracted delivery period with/ without LD clause 2.9 will be at the sole discretion of the Buyer.

#### 3.13. TERMS OF DELIVERY

3.13.1. Seller is required to quote both on CIF/CIP Delhi FCA/FOB (Gateway) basis if applicable. If CIP/CIF cost is not available, an additional 10% of FCA/FOB cost over and above quoted FCA/FOB cost will be loaded on their respective bid for comparison purposes. The delivery of goods shall be at National Institute of Fashion Technology NIFT at New Delhi.

## 3.13.2. Location of delivery and subsequent shifting -

Seller will be responsible for transportation of scanning system to different locations and associated activities like dismantling at current location, loading and unloading, packaging for transportation, transportation to next location, reassembly at next location, calibration and any other associate activity to make the scanner fully operational in new location for desired purpose.

All three 3D Whole body scanner systems will be delivered at NIFT Delhi and the training will be organized at the site of the delivery. Post training and completion of scanning survey at Delhi the scanners will be shifted to subsequent locations as per the sequence given below where the survey will be undertaken. Scanning in all centers other than Shillong will require all 3 systems to be present into action.

Transportation post delivery (dates will be intimated on delivery)

The Transportation movement sequences to scanning sites is as indicated below (dates will be intimated on delivery)

- NIFT Delhi to NIFT Mumbai (all three scanner)
- NIFT Mumbai to NIFT Chennai (all three scanner)
- NIFT Chennai to NIFT Hyderabad (all three scanner)
- NIFT Hyderabad to NIFT Kolkata (all three scanner)
- NIFT Kolkata to NIFT Shillong (1scanner)
- NIFT Kolkata to Delhi (1scanner)
- NIFT Kolkata to NIFT Mumbai (1scanner)
- NIFT Shillong to NIFT Kolkata (1scanner)

Note: (to be paid as per actual on production of original bills/ invoice subject to the maximum of amount quoted)

Address of the 6 NIFT campuses		Final location
Hyderabad	Delhi	Delhi NIFT Campus
NIFT Campus,	NIFT Campus,	Mumbai NIFT Campus
Opposite Hi-tech City,	Hauz Khas, Near Gulmohar	Kolkata NIFT Campus
Cyberabad Post, Madhapur,	Park,	
Hyderabad - 500 081	New Delhi - 110 016	
Telangana	Tel: +91-11-26867704,	
Tel: +91-40-23111938	26542149/50	
E-mail: director.hyderabad@nift.ac.in	E-mail:	
Contact: Prof. V. Sivalingam, Director	director.delhi@nift.ac.in	
	Contact: Prof. Dr. Vandana	
	Narang, Director	
1		

Mumbai	Chennai	
NIFT Campus	NIFT Campus,	
Plot No. 15, Sector - 4	Rajiv Gandhi Salai Taramani,	
Kharghar, Navi Mumbai - 410 210	Chennai - 600 113	
Maharashtra	Tamil Nadu	
Tel: +91-22-27743205/7002	Tel: +91-44-22542759	
E-mail: director.mumbai@nift.ac.in	E-mail:	
Contact: Prof. Dr. Pavan Godiawala,	director.chennai@nift.ac.in	
Director	Contact: Prof. Dr. Anitha Mabel	
	Manohar, Director	
Shillong	Kolkata	
NIFT Campus,	NIFT Campus,	
Old North Eastern Indira Gandhi	Plot - 3B, Block-LA,	
Regional Institute	Sector III, Salt Lake City,	
of Health & Medical Sciences	Kolkata - 700 098 (WB)	
(NEIGRIHMS) Campus,	Tel: +91-33-23357332	
'C' Block, Pasteur Hills	E-mail:	
Lawmali, Shillong - 793 001,	director.kolkata@nift.ac.in	
Meghalaya	Contact: Col. Subroto Biswas	
Tel:+91-364-2590676	(Retd.), Director	
E-mail: director.shillong@nift.ac.in		
Contact: Prof. Monika Agarwal,		
Director		

Intracity(within city) transfer will be responsibility of a scanner company in addition to intercity transfer. The movement of the scanner will be as follows -

Two scanners will be moved to two locations each within a city other than NIFT campus, during the three months data collection period with maximum travel distance of 250 km.

#### 3.14. PACKING AND MARKING INSTRUCTIONS

The Seller shall provide packing and preservation of the equipment and spares/goods contracted so as to ensure their safety against damage in the conditions of land, sea and air transportation, transshipment, storage and weather hazards during transportation, subject to proper cargo handling. The Seller shall ensure that the stores are packed in containers, which are made sufficiently strong. The packing cases should have provisions for lifting by crane/fork lift truck. Tags with proper marking shall be fastened to the special equipment, which cannot be packed.

The packing of the equipment and spares/goods shall conform to the requirements of specifications and standards in force in the territory of the Seller's country.

#### 3.15. INSPECTION INSTRUCTIONS

- 3.15.1. Post Delivery inspection of equipments on installation:
- 3.15.2. Inspection Authority: NIFT Quality Control Committee.

Firm should supply a test certificate from authorized reputed agency wherever specifically asked for or otherwise a certificate along with a firm's internal inspection report should be supplied along with the equipments.

#### 3.16. CLAIMS:

- 3.16.1. The quantity claims for deficiency of quantity and/ or the quality claims for defects or deficiencies in quality noticed during the inspection shall be presented within 45 days of completion of inspection.
- 3.16.2. The Seller shall collect the defective or rejected goods from the location nominated by the Buyer and deliver the repaired or replaced goods at the same location, within mutually agreed period, under Seller's arrangement without any financial implication on the Buyer.

#### 3.17. WARRANTY, SERVICE LEVEL GUARANTEE AND AMC

3.17.1. Warranty: The Seller will declare that the goods and services sold/supplied shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specifications and particulars contained/mentioned in the contract. The Seller will guarantee that the said goods and services with spares would continue to conform to the description quality for a period of 36 months from the date and installation of the said goods. If during the aforesaid period of 36 months, the said goods are discovered not to conform to the description and quality aforesaid, not giving satisfactory performance or have deteriorated, the Buyer shall be entitled to call upon the Seller to rectify the goods and services or such portion thereof as is found to be defective by the Buyer within a reasonable period without any financial implication on the Buyer. The suppler is required to undertake base calibration as per factory settings post installation at six locations of scanning survey.

# 3.17.2. **Service level guarantees and consequences thereof**: The bidder must commit to following

- a) **Performance guarantee** The uninterrupted availability of scanning system is key to the execution of the project. The bidder will ensure that during the period of 3 years from the date of first installation or warranty period, whichever is later, bidder will ensure uninterrupted working of the entire scanning system including scanner and all its associated components, software, hardware and consumables. For this purpose bidder shall maintain throughout this period adequate supply of spares and repair and support infrastructure and technical and support personnel. Bidder will guarantee that during this period the maximum downtime per <a href="System/scanner">System/scanner</a> will not exceed 1 month per <a href="System/scanner">System/scanner</a> in a period of 12 months.
- b) Any **preventive maintenance and/or repair or breakdown** during warranty period shall be carried out by the Bidder at his own cost. Entire charge on this

account including cost of calibration, spare parts, wear parts, consumables to be changed during maintenance, and travel, accommodation expenses, etc. will be borne by the bidder. The preventive maintenance will be carried out by the seller at a frequency specified by the Bidder at time of Technical Bid Submission. Any downtime already specified at the time of the bid and accepted by NIFT for preventive maintenance may not be considered as downtime for performance guarantee purposes

- c) **Penalty clause** In case of failure to meet above performance guarantee the bidder will be liable to pay 0.2% of the contract value for every day of downtime of the scanning system over and above the limit specified under performance guarantee clause above i.e. 15 days per scanner in a period of 12 months
- 3.17.3. **AMC** -The seller agrees to undertake an Annual Maintenance Contract for a minimum period of 2 years. The seller is required to quote the price for comprehensive maintenance of the equipment after the expiry of the warranty period in price bid.

#### 3.18. CLOUD SERVICES

- 3.18.1. Seller is required to integrated 3D whole body scanning system with NIFT procured cloud services for storing, processing, retrieval of the scanned data including the Avatar which may be used for data analysis.
- 3.18.2. Seller is also required to provide entire data on local platform at NIFT.

## 4. PART IV - EVALUATION CRITERIA FOR BID

### 4.1. BID SYSTEM AND EVALUATION

- 4.1.1. The selection of Bidder will be based on Two Bid System.
- 4.1.2. The Bid evaluation process involves two stages:

  In the first stage the Bid Evaluation Committee constituted for the purpose will evaluate all attachments related to eligibility criteria other than technical and

financial bid.

### 4.2. ELIGIBILITY CRITERIA FOR SELECTION

The Bidder should establish that OEM has the financial, technical and production capability necessary to perform the supply. The Bidder shall furnish, as part of its technical bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the supply if its bid is accepted. In case of non compliance with any of the listed criteria the bid will be considered disqualified.

Eligibility criteria of the supplier to qualify for the bid evaluation is listed in table below-

NO.	ELIGIBILTY CRITERIA	SUPPORTING DOCUMENTS	Tick
a)	Proof of Registration  The bidder should be an exclusively registered Company (Pvt. Ltd.  Company/Partnership firm/ LLP/  Proprietorship firm) for not less than 3 years (i.e. not after F.Y. 2012-13).	a. Registration certificate of the firm/ Partnership deed/ Certificate of incorporation etc. as applicable b. Article of Association & Memorandum of Association (If applicable)	
b)	Taxpayer Information	For Indian Bidder	
	The bidder firm should have been in existence and should have been	a. Income Tax Registration (PAN No/ TAN No.)	

	registered with the Tax department of	b. GSTIN Registration & validity
	the country.	For Foreign Bidder
		a. Relevant papers of the country, as applicable
c)	Turnover Certification & Income Tax Return  The firm should be an income tax assessee at least for immediately preceding period of two financial years.  (i.e. 2015-16 & 2016-17 or calendar years of 2016 & 2017 (whichever is applicable)  The Bidder's average annual gross turnover upto USD 155000 for last two financial years.	a. Copy of audited/ Charted Accountant certified balance sheet and profit & loss account must also be attached.  b. Income tax return along with income computation sheet for last 2 years (fy-2015-16 & 2016-17 or calendar years of 2016 & 2017, whichever is applicable, 17-18 provisional balance sheet will be acceptable)
d)	Experience Certificate  Experience of sale of the technology for purpose of National sizing survey (undertaken through consortium of multiple companies/ organisations/ academia/ Government of the respective country) or any other purpose	a. A List of organizations where the supplier has currently provided/supplied the items covered in tender.  b. Copies of the work order and successful work completion certificate should be submitted duly signed by the competent authority in support of eligibility and qualification.
	Bidders experience to be documented in the format provided in clause 5.2 Annexure 1	

e)	Local Support  Supplier must have a local presence (local office/s in India) and technical support set up in India either own or legally appointed agents who can provide reliable service on their behalf	Self-certified copy of the signed agreement between the two parties as proof of a working relationship should be submitted.
f)	No-conviction Certificate  Bidder should neither be a black listed firm nor have its contracts been terminated/ foreclosed by any NIFT / company/ department/ organization till date, due to non-fulfillment of contractual obligations.	A Self-declared certificate to this effect on bidder firm's letter head signed by authorized signatory.
g)	Earnest Money Deposit	Earnest Money Deposit of USD 7500 in the form of Bank Guarantee. (Not exempted in any case except those bidders exempted from EMD, submit the certificate issued by the concerned department i.e. NSIC).
h)	Undertaking	An undertaking from the firms that they will not be part of cartel with other vendors and will quote competitive rates in the tenders on the company letter head duly signed by authorized signatory.
i)	Proof of being 100% subsidiary of the OEM or an Indian Agent of the foreign OEM (documentary evidence in support of their claim)	A 100% subsidiary would be required to submit documentary evidence in support of their claim along with their Technical bid failing which their bid

		<ul> <li>An agent of foreign OEM, for submitting the bid on behalf of OEM, would be required to submit a copy of their agency agreement with their principals along with their Technical bid, failing which their bid would be disqualified.</li> </ul>
j)	<b>Technical Bid Compliance Statement</b>	Duly signed on each and every page by the
	– Parameter – Specifications of items	authorized signatory and stamped.
		Technical Evaluation Criteria will be
		evaluated as per Annexure 2 (6.1 & 6.2)
k)	Special Requirement- Free Sample	Supplier has to provide three sample sets
	Scanning Attire	of typical attire for Small, Medium and
		Large size for both male and female
		compatible with the 3D Whole body
		scanner on offer
l)	Price Bid	To be filled in the specified format as per
		Annexure 4.

## 4.3. TECHNICAL BID EVALUATION:

Once the eligibility of the bidder is established, the Technical bids will be evaluated by Bid Evaluation Committee. The committee will record acceptance or rejection of the technical bid basis the Annexure 2. The bidder needs to meet with all mandatory criteria listed in Annexure 2.

### 4.4. FINANCIAL BIDS EVALUATION:

In the stage two the online financial bid (Annexure 4) of only those bidders who qualify in technical evaluation will be opened and evaluated by the Bid Evaluation Committee. The date and time of

ender No. 1351(2)/NIFT/Pur-HO/INDIAsizeProject/3D Whole Body Scanning System/2019	8 Dated 01.08.201
opening the financial bid will be communicated to all the technically quantum and on the CPP Portal and NIFT's website.	alified bidders separato
and on the of 1 fortal and 1111 for website.	
accept the above terms & conditions	
full Signature & Stamp of the Bidder)	Page

# 5. ANNEXURE 1-ELIGIBILITY FOR PROCUREMENT OF 3D WHOLE BODY **SCANNING SYSTEM**

a) Name of the Agency

b) Name of the authorized person (Who signs on the tender document)

c) Address of the Agency

d) Phone No

e) E-mail- address

f) Mobile No.

g) Fax

## 5.1. ELIGIBILITY CRITERIA FOR SELECTION

Documents to be submitted of OEM

NO.	ELIGIBILTY CRITERIA	SUPPORTING DOCUMENTS	Proof Required
a)	Proof of Registration  The bidder should be an exclusively registered Company (Pvt. Ltd.  Company/Partnership firm/ LLP/ Proprietorship firm) for not less than 3 years (i.e. not after F.Y. 2012-13).	a. Registration certificate of the firm/ Partnership deed/ Certificate of incorporation etc. as applicable b. Article of Association & Memorandum of Association (If applicable)	Scanned copy of the document submitted online
b)	Taxpayer Information  The bidder firm should have been in existence and should have been registered with the Tax department of the country.	For Indian Bidder  a. Income Tax Registration (PAN No/TAN No.)  b. GSTIN Registration & validity	Scanned copy of the document submitted online

		For Foreign Bidder	
		a. Relevant papers of the country, as applicable	
c)	Turnover Certification & Income Tax Return The firm should be an income tax assessee at least for immediately preceding period of two financial years.  (i.e. 2015-16 & 2016-17 or calendar years of 2016 & 2017 (whichever is applicable)  The Bidder's average annual gross turnover upto USD 155000 for last two financial years.	<ul> <li>a. Copy of audited/ Charted Accountant certified balance sheet and profit &amp; loss account must also be attached.</li> <li>b. Income tax return along with income computation sheet for last 2 years (fy-2015-16 &amp; 2016-17 or calendar years of 2016 &amp; 2017, whichever is applicable, 17-18 provisional balance sheet will be acceptable)</li> </ul>	Scanned copy of the document submitted online
d)	Experience Certificate  Experience of sale of the technology for purpose of National sizing survey (undertaken through consortium of multiple companies/ organisations/ academia/ Government of the respective country) or any other purpose  Bidders experience to be provided in the Table 1 given in Annexure 1  Eligibility for Procurement of 3D  Whole Body Scanning System	<ul> <li>a. A List of organizations where the supplier has currently provided/supplied the items covered in tender.</li> <li>b. Copies of the work order and successful work completion certificate should be submitted duly signed by the competent authority in support of eligibility and qualification.</li> </ul>	Scanned copy of the document submitted online

e)	Local Support  Supplier must have a local presence (local office/s in India) and technical support set up in India either own or legally appointed agents who can provide reliable service on their behalf	Self-certified copy of the signed agreement between the two parties as proof of a working relationship should be submitted.	Scanned copy of the document submitted online
f)	No-conviction Certificate  Bidder should neither be a black listed firm nor have its contracts been terminated/ foreclosed by any NIFT / company/ department/ organization till date, due to non- fulfillment of contractual obligations.	A Self-declared certificate to this effect on bidder firm's letter head signed by authorized signatory.	Scanned copy of the document submitted online
g	Earnest Money Deposit	Earnest Money Deposit of USD 7500 in the form of Bank Guarantee. (Not exempted in any case except those bidders exempted from EMD, submit the certificate issued by the concerned department i.e. NSIC).	Scanned copy of the document submitted online and original bank guarantee should reach by 20th August, 2018 at 10.30 A.M (IST) at NIFT, Hauz Khas, ND)
h)	Undertaking	An undertaking from the firms that they will not be part of cartel with other vendors and will quote competitive rates in the tenders on the	Scanned copy of the document submitted online

i)	Proof of being 100% subsidiary of the OEM or an Indian Agent of the foreign OEM (documentary evidence in support of their claim)	<ul> <li>company letter head duly signed by authorized signatory.</li> <li>The firms claiming to be:</li> <li>A 100% subsidiary would be required to submit documentary evidence in support of their claim along with their Technical bid failing which their bid would be disqualified.</li> <li>An agent of foreign OEM, for submitting the bid on behalf of OEM, would be required to submit a copy of their agency agreement with their principals along with their Technical bid, failing which their bid would be disqualified.</li> </ul>	Scanned copy of the document submitted online
j)	TechnicalBidComplianceStatement-Parameter-Specifications of items	Duly signed on each and every page by the authorized signatory and stamped.  Technical Evaluation Criteria will be evaluated as per Annexure 2 (6.1&6.2)	Scanned copy of the document submitted online
k)	Special Requirement- Free Sample Scanning Attire	Supplier has to provide three sample sets of typical attire for Small, Medium and Large size for both male and female compatible with the 3D Whole body scanner on offer	-

			at 1500 Hours (IST). The Purchase Officer, NIFT
l)	Price Bid	To be filled in the specified format as per Annexure 4.	To be submitted online

## 5.2. BIDDERS EXPERIENCE

Information of past supply of 3D Whole Body Scanners to reputed organization may be provided in following format. Firms with no successful past track record of supplying subject item will not be considered technically acceptable.

BID	BIDDERS EXPEREINCE						
Of	Of National Sizing Survey of a Country						
Sl.	List the	Country	No. of	Description	Supply	Qty of the	Value of Supply
No,	Members of the	where sizing	Subjects	of 3D whole	Order	3D whole	Orders/Contracts
	Consortium	survey was	scanned	body scanner	Nos.	body	
	(multiple	undertaken		used for	and	human	
	companies/			undertaking	date	scanners	
	organisations/			the survey	along	Supplied by	
	academia/				with	the firm for	
	Government				copy of	undertaking	
	of the				Supply	the national	
	respective				Orders	sizing	
	-					survey	
	country) with						
	whom the						
	sizing survey						
	was						
	undertaken						

Of u	Of use of 3D whole body scanner for other Purposes						
Sl.	Full address of	Country	Purpose of	Description	Supply	Qty of the	Value of Supply
No	Customers /	where	sale	of 3D whole	Order	3D whole	Orders/Contracts
	Company/	technology		body	Nos.	body	
	Institute/	was		scanners	and	human	
	Organisation	supplied			date	scanners	
	with names of				along	Supplied by	
	contact				with	the firm	
	persons, Fax &				copy of		
	Phone No.				Supply		
					Orders		

## 6. ANNEXURE 2- TECHNICAL CONDITIONS OF CONTRACT

# **Preamble**

National Institute of Fashion Technology (NIFT), under the aegis of Ministry of Textiles, Govt. of India, is undertaking an extensive research study to develop a comprehensive size chart for ready to wear industry based on body measurements of the Indian population.

The project will entail measuring of 25000 (Twenty Five Thousand) male and female persons between the age group of 15 years and 65 years and above in six different cities located in six regions of India i.e. Kolkata (East), Mumbai (West), New Delhi (North), Hyderabad (Centre), Chennai (South) and Shillong (North-East) using 3D whole body scanners.

The scanner is expected to extract listed anthropometric measurements in various postures with accuracy as specified and meeting all the stated technical specification and ISO compliance standards. The scanning system should provide for data analysis tools required to analysis the collected data to create a size charts and its extensions and derivatives. The demographic data, scanning data, scanned images / avatar and data should be saved for use later.

Bidders are required to furnish clause by clause compliance of specifications as per 6.1 & 6.2 of this annexure bringing out clearly the deviations from specification, if any. Bidders are advised to submit compliance statement in 6.1 and description of parameters in 6.2 for evaluation of the Technical criteria (in the provided format). It is mandatory to enclose catalogue/technical brochure to support the claims. The evaluation of 6.2 will be basis the scores given in 6.3.

## 6.1. TECHNICAL EVALUATION CRITERIA- MANDATORY PARAMETERS (PART 1)

Failure of meeting these criteria will result is disqualification of the bid.

Bidder has to provide information in following format

	Parameter	Specifications of item	Compliance with Technical specifications whether Yes / No	Remarks (In case of non compliance, deviation from RFP to be specified in unambiguous terms. In case of compliance, catalogue/ brochure reference, if available, to be indicated)
I. 3D	Whole Body Sca	inning system		
A1	3 D Whole Body Scanning System	A computer controlled system comprising of hardware and software that creates digital data representing a human form in three dimensions including all necessary elements Viz Cameras, sensors, electrical connection, sockets and associated computer hardware, software, on premise and cloud storage and any systems like voltage stabilizers, uninterrupted power suppliers which are required for satisfactory working of system.  The scanner system should be robust to withstand transportation conditions on		

		Indian roads both in the case of shifting of	
		the scanner between the cities for	
		deployment and in the case of mobile	
		deployment i.e. when placed on a mobile	
		vehicle like a trailer and moved	
		periodically to different locations	
		Scanning volume should be large enough to accommodate considerable human	
4.0		variability as defined in ISO 20685:2010-	
A2	Scan Volume	11. Deviation in scanning volume shall not	
		lead to any limitations on the extraction of	
		all the NIFT specified body dimensions	
		and ISO 8559-1:2017	
A3	Body	Minimum requirement 320° in horizontal	
113	Coverage	plane.	
		Required scanning accuracy - The error of	
	Maaguramant	the instrument should be less than ± 5 mm	
A4	Measurement Accuracy	or ± 1% (whichever is less) in	
		circumference/girth and ± 1mm or ± 0.5%	
		(whichever is less)in height/linear	
		Scanning duration inclusive of processing	
	o m:	of the full body scan shall not be more than	
A5	Scan Time	60 seconds out of which scanning time	
		should not exceed 10 sec.	
	Subject		
	Position	Provision of scanning in both standing and	
A6	(Posture)	sitting postures In accordance with ISO	
	while	20685:2010-11 Clause A.2.4	
	scanning		

		Scanner should be in Compliance with	
		following ISO standards	
		following 150 standards	
		1. ISO 20685: 2010-11- International	
		standard for 3D scanning	
		methodologies for international	
	ISO	compatible anthropometric data bases	
A7	Compliance	for protocol for 3-D	
		2. ISO 8559-1:2017 - Anthropometric	
		definitions for body measurement	
		Self certification in respect to such	
		compliances is mandatory	
	Superior	3 D Whole Body Scanning System to have	
A8	Crotch Point	automatic superior crotch point detection	
	Detection	which is demonstrable and verifiable	
		1. 3 D Whole Body Scanning System	
		should present result in Microsoft word	
		and excel for report generation.	
		2. The 3 D Whole Body Scanning System	
		should be able to Interface with at least 1	
		of the listed statistical analysis tools -	
A9	Compatibility	SPSS(IBM), SAS	
	to Other	3. The scan / avatar files from the 3 D	
	Software	Whole Body Scanning System should have	
		the capability of interfacing with at least 2	
		of the listed 3d virtual prototyping	
		software - Runaway from Optitex, Tuka3D	
		from Tukatech, Modaris 3D from Lectra	
		and Accumark 3D from Gerber, CATIA	
		4. Export formats: ASCII, OBJ, STL, DXF,	
L			

		txt and pdf. Still images format of TIFF,	
		JPEG and BMP (atleast 2 each).	
A10	Repeatability	As defined in ISO 20685: 2010-11 Clause A.3.3.5	
A11	Scan Safety	The 3 D Whole Body Scanning System should be safe for human exposure (including children above 5yrs and geriatric population); with or without medical aids (hearing aids, cardiac pace maker etc) Self certification in respect to such compliances is mandatory	
A12	Mechanical Construction of Scanner	Scanner should be made of lightweight material and has sufficient strength to withstand multiple long distance transportation and handling by road.	
A13	Flexibility to Configure user defined measurements	The system must provide facility to add and configure additional user defined measurements pre scanning  The system should have option of defining data extraction points post scanning wherein 3 D Whole Body  Scanning System recovers that data from the saved avatar/ scan image	
A14	Platform	Stationary platform for standing and sitting posture of the subject during scanning with feet position marked.	
A15	Height Adjustable	Height adjustable Stool for data collection in sitting posture.	_

	Stool		
A16	Calibration Method	Automatic/ Manual calibration to ensure continued verification of the system and accuracy.	
A17	CPU Configuration & Operating System Requirement	Minimum Intel 6 core i 7 processor, 16Gb RAM, 1 Tb HD, with all necessary features to support scan processing and post processing software and support color printers, minimum two LAN ports, one CD/DVD drive two USB plug ins and one HDMI Port . Operating System- Windows 10	
A18	Operating Power requirement	5 Amp / 15 Amp., 110-240 Volts, 50/60 Hz	
A19	3 D Whole Body Scanning System to Record Socio Demographic Questionnaire	The 3 D Whole Body Scanning System should have flexibility of capturing various user-defined socio-demographic parameters provided by NIFT, which have to be essentially integrated with the scanned data.	
A20	Scan Processing Software	Operating system, user interface, programs, algorithms and instruction associated with the 3 D Whole Body Scanning System necessary for successful scanning.  3 D Whole Body Scanning System should allow for the scan in multiple postures to facilitate automatic extraction of required measurements.	
A21	Avatar Creation	3 D Whole Body Scanning System should be capable of creating of Avatar from the	

	Software	automatically extracted measurements.	
A22	Extraction Measurement Software	The processing software shall have integrated measurement extraction capability and 3 D Whole Body Scanning System should be able to extract at least 75% of the measurements listed in both ISO 8559-1:2017(90 measurements) and NIFT specified (30) measurements in Annexure 3 Clause 7. i.e. 90 measurements (from 90+30=120 measurements) of which atleast 8 are in purely sitting posture) (Please refer checklist 6.4 of Annexure 2 for Desired list of body dimensions. The bidders to confirm extraction to the respective dimension during or post scanning process in the check list also)  It should have basic human figure manipulation like zoom, pan, rotate, translation and floating axis as mentioned in ISO 20685:2010-11.	
A23	Calibration Unit	Supplier should provide the external master specimen gauge, if separately required, with each scanner to carry out calibration.	
A24	Portable Scanning Booth	Portable Scanning Booth (should be lightweight, aesthetic in appearance and easy to disassemble and re-assemble for transport (One with each scanner)	
A25	Portable Changing	Portable Changing Room (should be lightweight, aesthetic in appearance and	

	Booth	easy to disassemble and re-assemble for	
		transport) (Two with each scanner)	
A26	Integration of 3D Whole body Scanning System with NIFT Procured Cloud Services	Integration of 3D whole body scanning system with NIFT procured cloud services for storing, processing, retrieval of the scanned data including the Avatar which may be used for data analysis.  Additionally to provide entire data at local platform at NIFT	
A27	Score from Technical Evaluation Criteria listed in (Annexure 2 - 6.3)	Minimum score mandatorily required is 60.	
II. Tr	aining and Oper	rational support	
B1	Training	Operational Training Supplier to provide training for at least 6 man-days (from the parent company with trainer having 5 years of relevant experience) in NIFT Delhi Campus to NIFT team on Operations, installation, calibration and data analysis which will enable team to meet with the requisite objective.	
		<ol> <li>Total no of People/Batch size for training- 40 persons</li> <li>Training         <ul> <li>2-3 Trainers from the parent company Scanner Company required</li> </ul> </li> </ol>	

		for training on the following areas-
		Machine handling - Installation
		dismantling and Calibration of the
		scanner  Scanning process (defining)
		• Scanning process - ( defining
		landmarks , preparation of
		subject, posture, scan process,
		checking of scan for quality and
		clarity, storage, extraction of data
		etc)
		Data analysis
		3. <b>Time of training</b> - After installation
		of the scanner in the first location i.e.
		NIFT Delhi
		4. Refresher Training
		As per above after one year of first
		installation (At any of the six locations to
		be decided later).
		Supplier to provide technical and
	m 1 · 1 · 1	operational support for installation (on
	Technical and	stationary or mobile platform like trailers
20	Operational	etc) and data collection for the first 5
B2	Support-1	working days (with an option to extend
	(Data	this to 30 working days period) on each of
	Collection)	6 locations for standardizing the process,
		exclusive of the training period.
		To provide consultant (in person and not
	Technical	remote consultation)(from the parent
	Support	company/scanner company) for data
В3	(Post Data	analysis for 10 working days (with an
	Collection)	option to extend this to 30 working days
		period) after the data collection is over.
		person, and the data consection to over

III. W	III. Warranty , AMC, Product Support and Local Support			
C1	Warranty & AMC	Supplier to ensure warranty, Product Support and performance and AMC as per		
C2	Product Support	Clause 3.17 of the tender document.		
С3	Local Support	Supplier must have a local presence (local office/s in India) and technical support set up in India either own or legally appointed agents who can provide reliable service on their behalf.		
IV. L	ogistics			
D1	Scanner Unit Packaging Box	Provision of suitable reusable rugged boxes/ bags which can safely hold all the components of the scanning device so that the scanner system can be safely transported from one location to another by road for any mode of transport. The enclosure should be durable robust and road worthy. The enclosure should have suitable anti vibration mounts to isolate critical components of the system from road vibration.		
D2	Transport to Different Locations Clause 3.13 of tender document	All three 3D Whole body scanner systems will be delivered at NIFT Delhi and the training will be organized at the site of the delivery. Post training and completion of scanning survey at Delhi the scanners will be shifted to subsequent locations as per the sequence given below where the survey will be undertaken. Scanning in all		

centers other than Shillong will require all	
3 systems to be present into action.	
Transportation post delivery (dates will be	
intimated on delivery).	
The Transportation movement	
sequences to scanning sites is as	
indicated below (dates will be intimated	
on delivery).	
<ul> <li>NIFT Delhi to NIFT Mumbai (all three</li> </ul>	
scanner)	
<ul> <li>NIFT Mumbai to NIFT Chennai (all three</li> </ul>	
scanner)	
<ul> <li>NIFT Chennai to NIFT Hyderabad (all</li> </ul>	
three scanner)	
<ul> <li>NIFT Hyderabad to NIFT Kolkata (all</li> </ul>	
three scanner)	
<ul> <li>NIFT Kolkata to NIFT Shillong</li> </ul>	
(1scanner)	
<ul> <li>NIFT Kolkata to Delhi (1scanner)</li> </ul>	
<ul> <li>NIFT Kolkata to NIFT Mumbai</li> </ul>	
(1scanner)	
<ul> <li>NIFT Shillong to NIFT Kolkata (1scanner)</li> </ul>	
Intracity(within city) transfer will be	
responsibility of a scanner company in	
addition to intercity transfer. The	
movement of the scanner will be as	
follows -	
Two scanners will be moved to tow	
locations each within a city other than	
NIFT campus, during the three months	

		data collection period with maximum travel distance of 250km  Note: (to be paid as per actual on production of original bills/ invoice subject to the maximum of amount quoted).	
V. Ex	perience of Nati	onal sizing survey	
E1	Experience of undertaking national sizing survey of any country	Scanner provider should essentially have the experience of undertaking and successfully completing National Sizing Survey (undertaken through consortium of multiple companies/ organisations/ academia/ Government of the respective country) of at least one country using the same technology as offered. Scanner provider should provide the list of the country(s) for which the sizing survey has been successfully undertaken and completed by them along with the number of samples measured.  Bidders Experience may be documented in format provided in clause 5.2 Annexure 1.	

# 6.2. TECHNICAL EVALUATION CRITERIA (PART 2)

Technical criteria will be evaluated using following parameters.

Bidder has to provide information in following format.

	Parameter	Description of Parameters	Remark if any			
I. 3D Wł	I. 3D Whole Body Scanning system					
A28	Number of Angles					
A29	Number of Sensors					
A30	Surface data Density					
A31	Body Coverage					
A32	Measurement Accuracy					
A33	Scan Time					
AJJ	Inclusive of data processing time					
	Compliance with ISO 8559-1:2017; ISO					
A34	20685:2010-11-standards certified by					
7134	an accredited third party certification					
	authority and agency					
	Compliance with ISO 7250 -					
A35	1:2017(E)standards certified by an					
7133	accredited third party certification					
	authority and agency					
A36	Setup Time					
7130	Time taken for Setting up the scanner					
	Compliance with human safety					
A37	standards certified by an accredited					
A37	third party certification authority and					
	agency					
A38	Data extraction of ISO- 8559:1 2017					
7150	defined measurement of total of 90					

	measurements also listed in Annexure 2	
	Clause 6.4.	
	Extraction of NIFT defined	
420	measurements from set of defined 30	
A39	measurements	
	Listed in Annexure 3	
	Post scanning measurement extraction	
A40	of additional measurement which have not	
	been defined before scanning	
	Platform	
A41	Stationary platform for standing and	
	sitting of the subject during scanning	
A42	Height adjustable Stool for data	
ATZ	collection in sitting posture	
A43	Method of Calibration	
	Provision of Recording and playback of	
A44	<b>Audio Instructions</b> for the subject being	
	scanned	
A45	Automatic garment size calculation	
1143	software	
	Weighting platform	
A46	The capacity of the weighing platform	
7110	shall not be less than be 200Kg with an	
	accuracy of ±0.1% of full scale	
	Needs for Markers	
	The Scanner shall preferably do automatic	
	measurement extraction of all listed in ISO	
A47	8559-1:2017 and NIFT defined	
111,	measurements in case scanner requires to	
	use markers for landmark identification	
	such markers for 12,500 scans may be	
	provided. Such markers should be safe for	

	use on human subjects.		
A48	Option of slicing the avatar/ scan image for data extraction.		
V. Exper	rience of National Sizing Survey		
E1	Experience of undertaking National Sizing		
	Survey (undertaken through consortium of		
	multiple companies/ organisations/		
	academia/ Government of the respective		
	country) for any country.		
		ı	İ

#### 6.3. TECHNICAL EVALUATION CRITERIA SCORE SHEET

Technical criteria will be evaluated using following scores

	Darameter	New	Saara Cuitania
	Parameter	Weightage	Score Criteria
I. 3D Wh	ole Body Scanning system		
			3 if more than 4 angles
A28	Number of angles	3	2 if 4 angles
			1 if less than 4 angles
			3 if More than 20 sensors
A29	Number of sensors	3	2 if 12- 20 sensors
			1 if 1- 11 sensors
			6 if more than 100 Points/cm2
A30	Surface data density	6	4 if 50 to 100 Points/cm2
			2 if less than 50 Points/cm2
			6 if 360° body coverage
A31	Body coverage	6	4 if $\geq 340^{\circ}$ to $< 360^{\circ}$ body coverage
			2 if $\geq$ 320° to $<$ 340° body coverage
			9 if Less then ± 1 mm or ± 1% (whichever is
	Measurement accuracy		less) in circumference/girth and $\pm$ 1mm or $\pm$
	Measurement accuracy		0.5% (whichever is less)in height/linear
			6 if Less then ± 3 mm or ± 1% (whichever is
A32		9	less) in circumference/girth and ± 1mm or ±
ASZ		9	0.5% (whichever is less)in height/linear
			0.5 % (winchever is less) in height/ilinear
			3 if Less then $\pm$ 5 mm or $\pm$ 1% (whichever is
			less) in circumference/girth and $\pm 1$ mm or $\pm$
			0.5% (whichever is less)in height/linear
	Scan time		6 if less than 20Sec
A33	Inclusive of data processing	6	4 if 20-40 Sec
	time		2 if more than 40 sec

A34	Compliance with ISO 8559-1:2017; ISO 20685:2010-11 & standards certified by an accredited third party certification authority and agency	6	6 if of both 3 if of any one 0 If of neither
A35	Compliance with ISO 7250 - 1:2017(E) standards certified by an accredited third party certification authority and agency	3	3 if having full compliance with ISO 7250 - 1:2017 with third party certification  2 if having full compliance with ISO 7250 - 1:2017 with self certification  1 if having partial compliance with ISO 7250 - 1:2017 with self certification  0 if no compliance
A36	Setup time Time taken for Setting up the scanner	3	3 if less than 3 Hours 2 if 3 Hours to 5 Hours 1 if More than 5 Hours
A37	Compliance with human safety standards certified by an accredited third party certification authority and agency	3	3 if yes 0 if no
A38	Data extraction of ISO-8559:1 2017 defined measurement of total of 90 measurements also listed in Annexure 2 Clause 6.4.  Extraction of NIFT defined	6	Number of measurement extracted  6 if More than 85 measurements 4 if 76- 85 measurements 2 if 66 - 75 measurements  Number of measurement extracted

	measurements from set of		6 if More than 25 measurements
	defined 30 measurements		4 if 15-25 measurements
	Listed in Annexure 3		2 if less than 15 measurements
	Post scanning measurement		Method of extraction of measurement from
	<b>extraction</b> of additional		scanned avatars
A40	measurement which have not	6	6 if in one go
	been defined before scanning		4 if in batch wise process
	been defined before beaming		2 if one scan at a time
	Platform		2 if Feet position marked with hand support
A41	Stationary platform for	2	
7111	standing and sitting of the	_	1 if Feet position marked with no hand
	subject during scanning		support
			2 if Provision of Integrated height adjustable
	Height adjustable stool		stool for sitting posture
A42	For data collection in sitting	2	
	posture		1 if Provision of separate height adjustable
			stool for sitting posture
			2 if Automatic/manual calibration with
			external master specimen
A43	Method of calibration	2	
			1 if Automatic/manual calibration without
			external master specimen
	Provision of recording and		
A44	playback of audio	2	2 if Yes
ATT	instructions for the subject		0 if No
	being scanned		
			6 if Garment size calculation option included
			in the 3 D Whole Body Scanning System
A45	Garment size calculation	6	
	software	o o	3 if Provision of garment size calculation
			option available but not included in 3 D
			Whole Body Scanning System (In which case

A46	Weighing platform The capacity of the weighing platform shall not be less than be 200Kg with an accuracy of ±0.1% of full scale	3	bidder may give the reason in the remark column for non inclusion and provide information about additional cost, if any, to include in scope of supply)  0 if No Provision of garment size calculation  3 if Fully Integrated weighing platform of mentioned capacity and accuracy with automatic weight capturing in main data collection sheet  2 if Separate weighing platform of mentioned capacity and accuracy with automatic/ wireless transfer of data to main data collection sheet  1 if Separate weighting platform of mentioned capacity and accuracy with manual entry of data in main data collection sheet
A47	Needs for markers The Scanner shall preferably do automatic measurement extraction of all measurements all dimensions listed in ISO 8559-1:2017; ISO 20685:2010-11 and NIFT defined measurements in case scanner requires to use markers for landmark identification such markers for 12500 scans may be provided. Such markers	2	2 if Provision of measurement extraction without using markers  1 if Provision of measurement extraction using markers

	should be safe for use on		
	human subjects.		
A48	Option of slicing the avatar/ scan image for data extraction	6	6 if Option of slicing the avatar/ scan image for data extraction in both horizontal and vertical direction  3 if option of either slicing the avatar/ scan image for data extraction in vertical direction or horizontal direction
			0 if No option of slicing the avatar/ scan image for data extraction
		91	
V. Expe	rience of National Sizing Survey	,	
	Experience of undertaking		
	National Sizing Survey		
	(undertaken through		
	consortium of multiple		
	companies/ organizations/		
	academia/ Government of the		9 if three and more countries
	respective country) for any		
E1	country	9	6 if two countries
	Scanner provider should		
	provide the list of the		3 if one country
	country(s) for which the		
	sizing survey has been		
	undertaken <b>using the same</b>		
	technology as on offer with		
	number of sample measured.		
		100	

# 3. Special Requirement - Free Sample

# **Scanning Attire**

Supplier has to provide three sample sets of typical attire for small medium and large size for both male and female along with the bids.

Supplier has to provide three sample sets of typical attire for Small, Medium and Large size for both male and female compatible with the 3D Whole body scanner on offer at the following address through speed post/ Courier post on or before closing date and time of bid on 31.08.2018 at 1500 Hours (IST).

## The Purchase Officer,

National Institute of Fashion Technology, NIFT Campus, Near Gulmohar Park, Hauz Khas, New Delhi-110016 India.

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## 6.4. DESIRED LIST OF BODY MEASUREMENTS

List of desired body dimensions to identify if the listed measurements can be extracted (YES/NO) and the stage in which the extraction can be done i.e. automatic extraction during scanning or post scanning extraction

The list comprise of the following measurements to be extracted from posture described in of ISO 20685:2010

- 1- TABLE 1- ISO 8559-1 2017- Total 90 measurements
- 2- TABLE 2- NIFT specified measurements- Total 30 measurements

	TABLE 1 : ISO 8559-1 2017- Total 90 measurements ( Extraction of measurements 77 in standing; 4 in sitting; 9 Both sitting and standing posture )					
SLNO	Number as in ISO	Description	Posture	YES/ NO	Automatic During the Scanning	Extraction Post Scanning
	5.1	VERTICAL MEASUREMENTS				
1.	5.1.1	Stature	Standing			
2.	5.1.3	Chin height	Standing			
3.	5.1.4	Front neck height	Standing			
4.	5.1.5	Back neck height	Standing			
5.	5.1.6	Chest height	Standing			
6.	5.1.7	Bust height	Standing			
7.	5.1.8	Under bust height	Standing			
8.	5.1.9	Midriff height	Standing			
9.	5.1.10	Waist height	Standing			
10.	5.1.11	Upper hip height	Standing			
11.	5.1.12	Top hip height	Standing			
12.	5.1.13	Hip height	Standing			
13.	5.1.14	Maximum hip girth height	Standing			
14.	5.1.15	Inside leg height	Standing			
15.	5.1.16	Knee height	Standing			
16.	5.1.17	Outer ankle height	Standing			
17.	5.1.18	Back neck height (sitting)	SITTING			
	5.2	BREADTHS, WIDTHS AND DEPTHS				

18.	5.2.1	Hip breadth	Standing	
19.	5.2.2	Neck base width	Standing	
20.	5.2.3	Bust point width	Standing	
21.	5.2.4	Armscye front to back width	Standing	
22.	5.2.5	Chest depth	Standing	
23.	5.2.6	Bust depth	Standing	
24.	5.2.7	Abdomen/hip depth	Standing	
	5.3	GIRTH MEASUREMENTS	Junuang	
25.	5.3.1	Head girth	Either	
26.	5.3.2	Neck girth	Either	
27.	5.3.3	Neck base girth	Either	
28.	5.3.4	Bust girth	Standing	
29.	5.3.5	Bust girth contoured	Standing	
30.	5.3.6	Chest girth (at axilla)	Standing	
31.	5.3.7	Upper chest girth	Standing	
32.	5.3.8	Under bust girth	Standing	
33.	5.3.9	Midriff girth	Standing	
34.	5.3.10	Waist girth	Standing	
35.	5.3.11	Upper hip girth	Standing	
36.	5.3.12	Top hip girth	Standing	
37.	5.3.13	Hip girth	Standing	
38.		Maximum hip girth (seat	Standing	
	5.3.14	measure girth)		
39.	5.3.15	Armscye girth	Standing	
40.	5.3.16	Upper-arm girth	Standing	
41.	5.3.17	Elbow girth	Standing	
42.	5.3.18	Elbow girth, arm bent	SITTING	
43.	5.3.19	Wrist girth	Either	
44.	5.3.20	Thigh girth	Standing	
45.	5.3.21	Mid - thigh girth	Standing	
46.	5.3.22	Knee girth	Standing	
47.	5.3.23	Lower knee girth	Standing	
48.	5.3.24	Calf girth	Standing	
49.	5.3.25	Minimum leg girth	Standing	
50.	5.3.26	Ankle girth	Standing	
51.	5.3.27	Diagonal trunk girth	Standing	
52.	5.3.28	Centre trunk length	Standing	
		DISTANCES MEASURED		
		FOLLOWING THE SURFACE		
	5.4	OF THE BODY		

53.	5.4.1	Shoulder length	Either	
54.	5.4.2	Back shoulder width	Either	
55.	01112	Across back shoulder width	Either	
55.	5.4.3	(through the back neck point)		
56.	5.4.4	Across back width	Either	
57.	5.4.5	Back neck point to waist	Standing	
58.	5.4.6	Scye depth length	Standing	
59.	5.4.7	Across front width	Either	
60.	5.4.8	Front neck point to waist	Standing	
61.	5.4.9	Side waist length	Standing	
62.	5.4.10	Side neck point to bust point	Standing	
63.	5.4.11	Side neck point to waist level	Standing	
64.	5.4.12	Back neck point to bust point	Standing	
65.	5.4.13	Back neck point to waist level	Standing	
66.	5.4.14	Upper arm length	Standing	
67.	5.4.15	Lower arm length	SITTING	
68.	5.4.16	Underarm length	Standing	
69.	5.4.17	Back neck point to wrist length	Standing	
70.	5.4.18	Total crotch length	Standing	
71.	5.4.19	Front crotch length	Standing	
72.	5.4.20	Back crotch length	Standing	
73.	5.4.21	Side waist to hip	Standing	
74.	5.4.22	Outside leg length	Standing	
75.		Back neck point to ground	Standing	
	5.4.23	(contoured)		
		HAND AND FOOT		
	5.5	MEASUREMENTS		
76.	5.5.1	Hand girth	Either	
77.	5.5.2	Hand length (wrist crease)	SITTING	
78.	5.5.5	Foot length	Standing	
79.	5.5.6	Foot width	Standing	
80.	5.5.7	Foot Girth	Standing	
	5.6	OTHER MEASURMENTS		
81.	5.6.1	Body mass	Standing	
82.	5.6.2	Shoulder slope	Standing	
		CALCULATED		
	5.7	MEASURMENTS		
83.	5.7.1	Contoured centre trunk length	Standing	
84.	5.7.2	Back neck point to knee	Standing	
85.	5.7.3	Torso height	Standing	

86.	5.7.4	Straight body rise	Standing
87.	5.7.5	Thigh length	Standing
88.	5.7.6	Inside leg length	Standing
89.	5.7.7	Bust Cup size	Standing
90.	5.7.8	Outer arm length	Standing

**TABLE 2: NIFT specified measurements- Total 30 measurements** Extraction of measurements 23 in standing & 7 in sitting Posture SINO Posture YES/NO **Automatic** During Extraction **NIFT Ref** the Post **Description Scanning** Scanning No GIRTH ALL ROUND BODY **MEASUREMETNS** 1 Face girth from neck point - All 1. Standing around face measurement 1.1 taken from neck point Upper elbow girth -2"above 2. Standing 1.2 elbow girth Lower elbow girth 2"below 3. Standing 1.3 elbow girth Lower knee girth -2" below Standing 4. 1.4 knee girth ARC - WIDTH / ARC OF THE 2 Back head arc -eye to eye on 5. Standing 2.1 back of head Front neck arc - one side of Standing 6. 2.2 neck to another taken in front Back neck arc one side of neck 7. Standing 2.3 to another taken at back Waist Breadth-Maximum 8. Standing 2.4 horizontal distance across natural waist 9. Head breadth Standing 2.5 Standing 10. 2.6 Bitragion arc **LENGTH MEASUREMENTS** 3 3.1 Head length Standing 11. Front neck drop from side of Standing 12. 3.2 neck

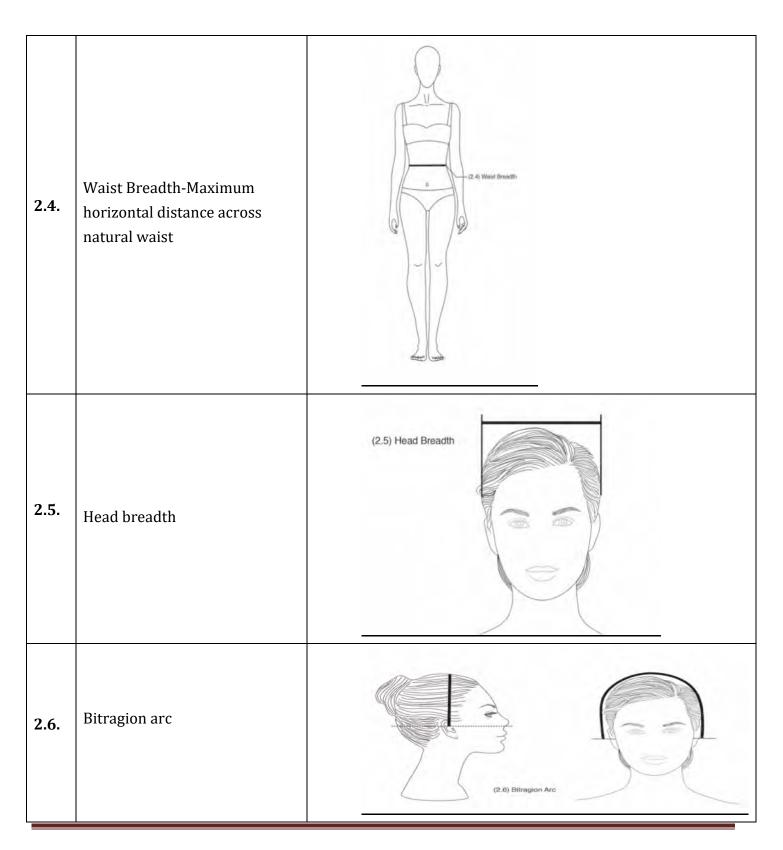
13.	3.3	Back neck drop from side of neck	Standing	
14.	3.4	Side neck to under bust level over the bust	Standing	
15.	3.5	Side neck to across chest width level	Standing	
16.	3.6	Shoulder height sitting	SITTING	
17.	3.7	Elbow height sitting	SITTING	
18.	3.8	Shoulder elbow length	SITTING	
19.	3.9	Buttock knee length	SITTING	
20.	3.10	Waist Depth, Sitting Vertical distance from the sitting surface to waist at CB	SITTING	
21.	3.11	Knee height, sitting	SITTING	
22.	3.12	Sitting height erect	SITTING	
23.	313	Shoulder height (standing)	Standing	
24.	3.14	Height of Underarm point from floor	Standing	
25.	3.15	Calf height (calf level from floor)	Standing	
	4.	DEPTH / CURVES FROM VERTICAL (HIP LEVEL BEING THE VERTICAL PLANE)		
26.	4.1	Distance of back neck from vertical	Standing	
27.	4.2	Distance of Back width depth from vertical	Standing	
28.	4.3	Distance of natural waist from vertical	Standing	
29.	4.4	Distance of top hip depth from vertical	Standing	
30.	4.5	Distance of hip from vertical (this is Zero position for vertical)	Standing	

## 7. ANNEXURE 3 NIFT SPECIFIED HUMAN BODY DIMENSIONS

30 Measurements added by NIFT in addition to ISO 8559-1:2017 - Anthropometric definitions for body measurement.

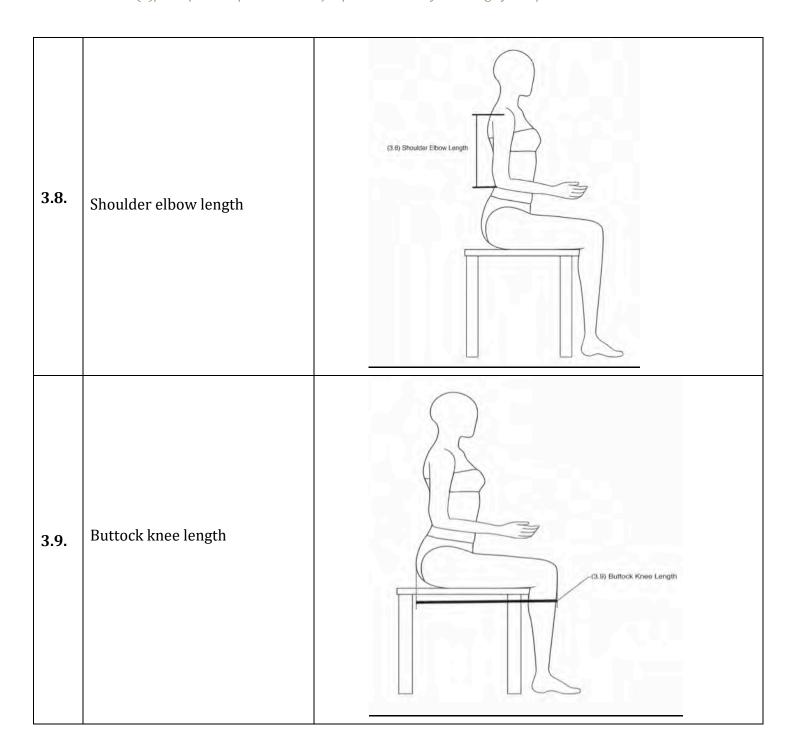
S.No.		Diagram
1.	GIRTH ALL ROUND BODY MEASUREMETNS	
1.1.	Face girth from neck point - All around face measurement taken from neck point	If .1) Face Gave born Neck Period.
1.2.	Upper elbow girth -2"above elbow girth	(1.2) Upport Ensur Lavie ————————————————————————————————————
1.3.	Lower elbow girth 2"below elbow girth	(1.5) Lates (Blace Clate.  T before Clate.
1.4.	Lower knee girth -2" below knee girth	toward home is there had red support known

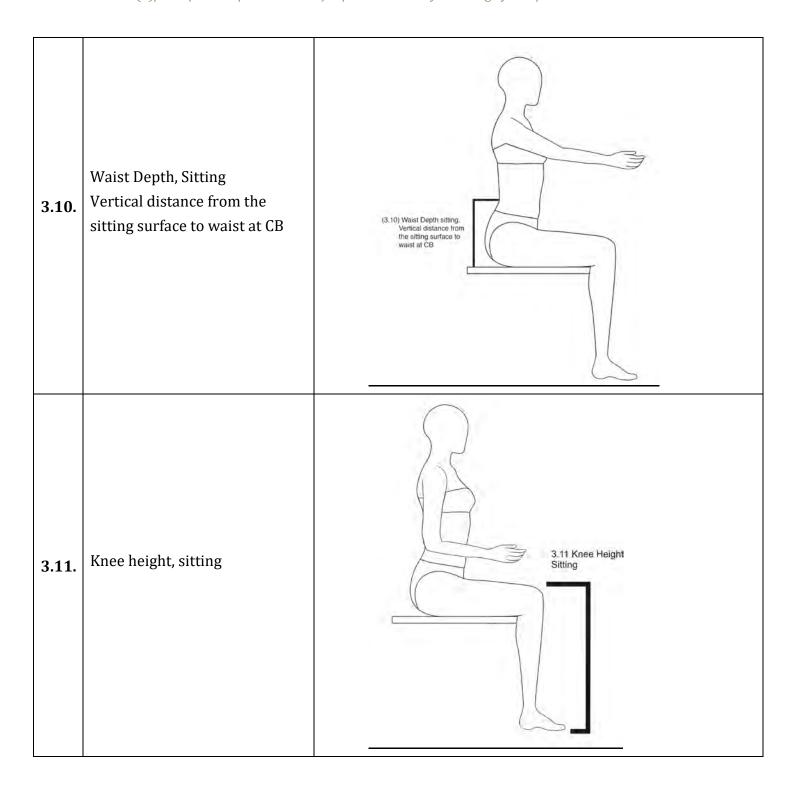
2.	ARC - WIDTH / ARC OF THE BODY	
2.1.	Back head arc -eye to eye on back of head	(2.1) Back head arc- eye to eye on back of head
2.2.	Front neck arc - one side of neck to another taken in front	(3.2) Front Neck Drop from Side of Neck
2.3.	Back neck arc one side of neck to another taken at back	(2.3) Back Neck arc one side of neck to another taken at back

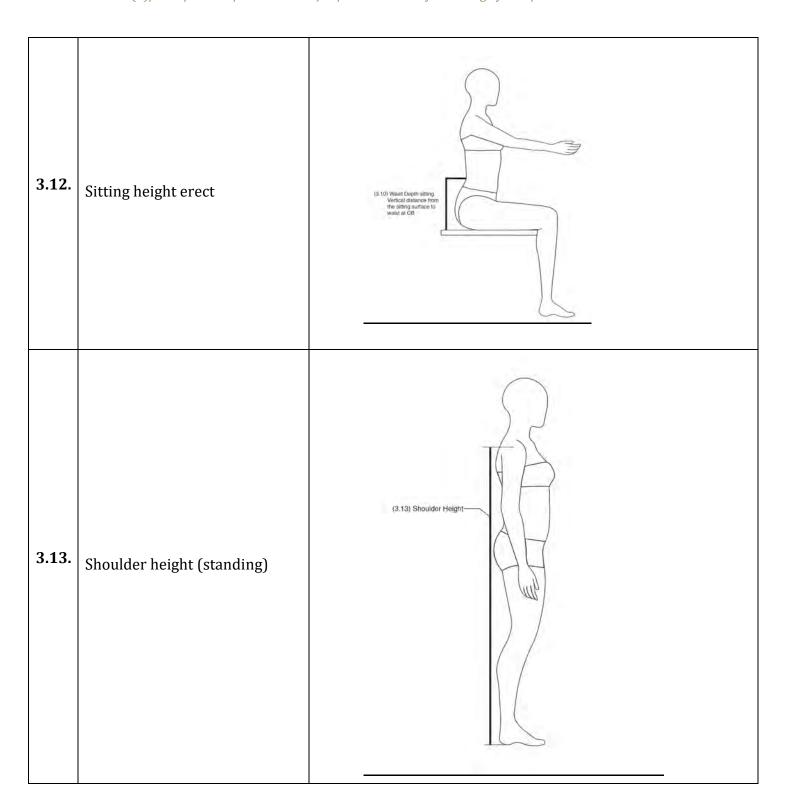


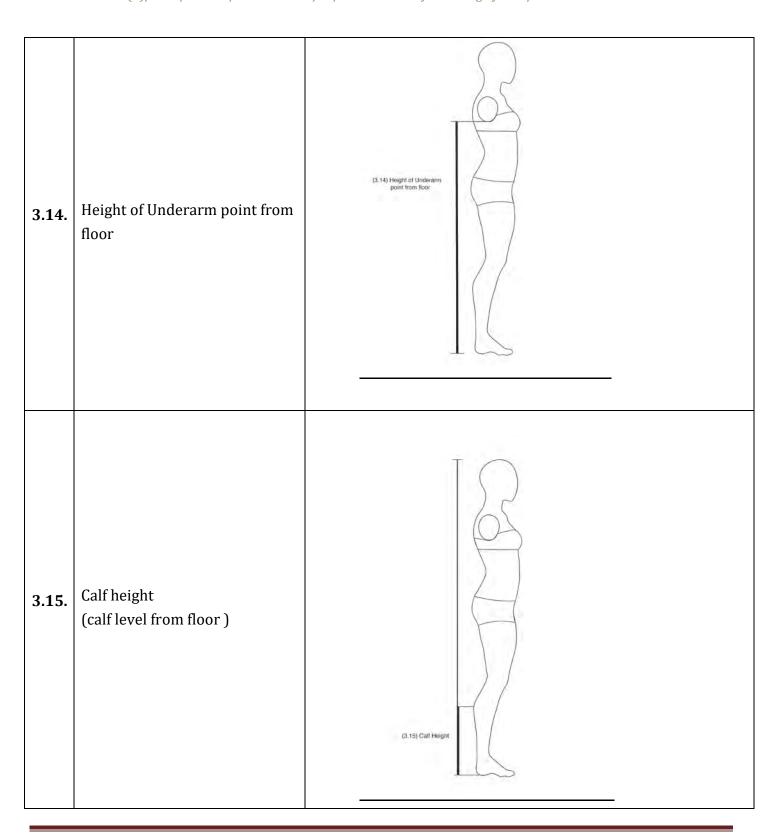
3.	LENGTH MEASUREMENTS	
3.1.	Head length	(3.1) Head Length
3.2.	Front neck drop from side of neck	(3.2) Front Neck Drop from Side of Neck
3.3.	Back neck drop from side of neck	(3.3 ) Back Neck Drop from Side of Neck
3.4.	Side neck to under bust level over the bust	(3.4) Side Neck to Under - bust fevel over the bust

3.5.	Side neck to across chest width level	(9.5) Side Neck to across Christ etich level
3.6.	Shoulder height sitting	(3.6) Shoulder Height Sitting
3.7.	Elbow height sitting	(3.7) Elbow Height Sitting









4		
4.	DEPTH / CURVES FROM VERT	ICAL (HIP LEVEL BEING THE VERTICAL PLANE)
4.1.	Distance of back neck from vertical	
4.2.	Distance of Back width depth from vertical	(4.1) Distance of Nape from vertical
4.3.	Distance of natural waist from vertical	(4.2) Distance of Back width depth  (4.3) Natural Waist from floor
4.4.	Distance of top hip depth from vertical	(4.4) Distance of Top Hip Depth  (4.5) Distance of Hip from Vertical
4.5.	Distance of hip from vertical (this is Zero position for vertical)	

Signature of Bidder:
Name of the Authorized Signatory :
Name of the Company/Firm :
Seal of the Company/Firm:
• • • •
Address :
Contact No.

## 8. ANNEXURE 4- PRICE BID FOR PROCUREMENT OF 3D WHOLE BODY SCANNING SYSTEM

**Price Bid Format**: The Price Bid Format as given below is required to be filled by Bidders: NIFT Head Office GSTIN. - 07AAATN2067J1ZI

NIFT is registered with the Department of Scientific and Industrial Research (DSIR) for the purpose of availing custom duty exemption in terms of Government Notification No. 51/96-Customs dated 23 July, 1996 (which requires that only 5% Custom duty is to be paid) and Central Excise Duty exemption in terms of Government Notification No. 10/97 – Central excise dated 1 March, 1997 as amended time to time. And as per GST Council meeting held on 03.06.2017, IGST exemption on imports under Customs Notification number 51/96 dated 23.-7.1996 is permitted under GST regime in India. Hence IGST is exempted on goods.

Cost of the Item/Items (description of each item may be taken from scope of supply)						
S.No		Number	Unit Price	Total Price		
	Items	of Units	(Currency	(Currency		
			USD)*	USD) *		
I.	3D Whole Body Scanning System	3				
	(Price quoted must be CIP Delhi)					
II.	A) Training (for minimum indicated days as per	12				
	6.1II. B1 Annexure 2 - II. Training and					
	Operational support) 6 days first training after installation and 6 days Refresher training  B) Operational /Technical support (for					
	minimum indicated days as per as per 6.1 .II					
	.B2&B3 Annexure 2 - II. Training and					
	Operational support)**					
III.	AMC (Comprehensive) Clause 3.17.3	3				
IV.	<b>Logistics</b> Lump sum to be quoted as per Clause	3				
	3.13 of tender document					

	(to be paid as per actual on production of original		
	bills/ invoice subject to the maximum of amount		
	quoted)		
V.	Any other item (please specify)***		
VI.	Less Discount (if offered)		
VII.	Any other Taxes / Duties / Overheads /		
	Other costs		
VIII.	Custom Duty (CD) Details		
	Total amount of Customs Duty payable		
	Total Amount		
	Total Amount (In Words)		
			<del></del>

Purchase Officer, National Institute of Fashion Technology, New Delhi reserves the right to accept or reject
any or all the applications without assigning any reason thereof.

Signature of Bidder:
Name of the Authorized Signatory :
Name of the Company/Firm :
Seal of the Company/Firm :
Address:
Contact No.:

PURCHASE OFFICER NIFT-HEAD OFFICE, NEW DELHI

I accept	the a	bove	terms	&	conditions

<sup>\*</sup>Applicable IGST will be borne by NIFT if applicable on any part of the services by foreign bidders.

<sup>\*\*</sup> In Operational /Technical support please quote consultancy charges per day along with Boarding & Loading charges.

<sup>\*\*\*</sup>Any extra equipment or parts required by the scanner to function completely to meet the objective of the procurement but missed above in the scope of supply by NIFT should also be listed with reason and quote.

<sup>\*\*\*\*</sup>In case of discrepancy in price quoted in words and figures, amount in words will prevail.

## 9. ANNEXURE 5- BANK GUARANTEE FORMAT FOR FURNISHING EMD

(Procurement of 3D whole body Human Scanning System)

Whereas
(hereinafter called the "tenderer")
has submitted their offer datedfor the supply of <b>3D whole body human scanning system</b>
(hereinafter called the "tender")
against the purchaser's tender enquiry No.
KNOW ALL MEN by these presents that WE
of having our registered office at
are bound unto National Institute of Fashion Technology (hereinafter called the "Purchaser") in the sum of
USD \$ 7500 (US Dollar Seven thousand five hundred ) for which payment will and truly to be made to the
said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Sea of the said Bank this
THE CONDITIONS OF THIS OBLIGATION ARE:
(1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
(2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity: -
<ul><li>a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.</li><li>b) Fails or refuses to accept / execute the contract.</li></ul>
WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without
the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the
amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.
(Signature of the authorized officer of the Bank)
Name and designation of the officer
Seal, name & address of the Bank and address of the Branch
I accept the above terms & conditions
(Full Signature & Stamp of the Bidder)  Page 86