



INDIAN INSTITUTE OF TECHNOLOGY MADRAS
Department of Medical Sciences and Technology
Chennai 600036
Email :- mstoffice@iitm.ac.in / msthead@iitm.ac.in



Prof. Bobby George
Head of the Department

No.IITM/MST/Tender/2024/01
Date : 20.01.2024

Limited Tender No: IITM/MST/2023-24/001/VISUVALIZATIONCHARTS

Due Date / Time: 05.02.2024, 3.00 pm

GeM NAR ID:- GEM/GARPTS/11012024/YRGZF3L52PVZ

Pre-Bid meeting: - Not required.

Technical Bid opening meeting on 06.02.2024, 2.30 pm

Dear Sir/Madam,

On behalf of the Indian Institute of Technology Madras, offers are invited for the supply of **TWO SETS** of “**Visuvalization charts / models defining the body functions**” conforming to the specifications given in (**Annexure – A**).

As per the Government of India Order, only “Class – I Local Suppliers” and “Class – II Local Suppliers” can participate in this tender.

Terms and Conditions of Limited Tender

1) **Preparation of Bids:** - The bidders should submit the bids in **Two bid system** separately in a sealed cover as detailed below:

Bid I – Technical Bid - The technical bid should consist of Pre-Qualification Criteria, bidder eligibility criteria and Technical Specification compliance sheet (Proforma given in Annexure-B) along with relevant documents proof.

The bidder should go through the Pre-Qualification Criteria, Bidder Eligibility Criteria and Technical Specification given in **Annexure-A** of the tender document, understand the requirement of IIT Madras and submit their technical bid along with all relevant document proof in the proforma given in **Annexure-B**.

Bid II – Financial Bid – The Financial Bid should be submitted as per the proforma for Financial Bid format given in **Annexure – C**. The quoted price should be for supply and installation of the item and inclusive of all cost and statutory levies at IIT Madras. Bids indicating rates anywhere else shall be liable for rejection.

The bids I and II are sealed in a separate cover and put together in a single bigger envelope, duly sealed and super scribed on the envelope with the Vendor Email ID, Contact Number, tender reference number, so as to reach on or before the due date & time specified in this tender.

2) **Vendor Registration:-** Vendor registration is mandatory for bidders to participate in tenders. For Vendor Registration & Guidelines, Please follow the website: <https://icandsr.iitm.ac.in/vendorportal>

3) **Submission of the tender:** - The tender shall be sent to the below-mentioned addresses either by post or by courier (**duly sealed and super scribed on the envelope with the Vendor Email ID, Contact Number, tender reference No and due date & time**) so as to reach the following address before the due date and time specified in our Schedule:

The Head,
Department of Medical Sciences and Technology,
Temporary located in **Room No.ED205, Tyre lab, 2nd floor,**
Department of Engineering Design,
IIT Madras, Sardar Patel Road, Chennai – 600036

4) **Price:** - The price should be quoted only in **INR** net per unit (after breakup) and must include all packing, transit insurance and

delivery charges to the **NAC – II, 5th Floor, Department of Medical Sciences and Technology, IIT Madras**. The offer/bid should be inclusive of taxes and duties. The percentage of tax & duties should be clearly indicated separately. IIT Madras is eligible for custom exemption duty certificate. Relevant certificate will be issued wherever necessary.

- 5) For the same tender, either the OEM or the authorized dealer/service provider can only quote. But both of them cannot quote separately for the same tender.
- 6) The offers / bids should be sent only for an item / Equipments of latest version that is available in the market and supplied to a number of customers. A list of customers in India with details must accompany the quotations. Quotations for a prototype machine will not be accepted.
- 7) Compliance or Confirmation report with reference to the specifications and other terms and conditions should also be obtained from the principal / OEM.
- 8) The bidder has to submit the tender document duly signed on all pages by an authorized person and his / her full name and status shall be indicated below the signature along with official seal/stamp of the firm. Submission of wrong / forged information / document will be liable to legal action, and rejection of the bid submitted by the firm.
- 9) The bids of the agency/firm/company not in possession of valid statutory license / registrations are liable for rejection.
- 10) If any relative of the bidder is an employee of the IIT Madras, the name, designation and relationship of such employee shall be intimated to the Registrar, IIT Madras in writing while submitting the bid.
- 11) No bidder will be allowed to withdraw / alter / modify the bid during the bid validity period.

12) Signing of Tender:

The bid is liable to be rejected if complete information is not given therein or if the particulars and date (if any) asked for in the schedule to the tender are not fully filled in or not duly signed/authenticated. Specific attention is drawn to the delivery dates and terms and conditions enclosed herewith. **Each page of the bids shall be duly signed with the official seal of the Bidders.**

If the bid is submitted by a firm in partnership, it shall be signed (with seal) by all the partners of the firm above their full typewritten names and current addresses. Alternatively it shall be signed by a partner holding power of attorney for the firm in which case a certified copy of the power of attorney shall accompany the bid. A certified copy of the partnership deed along with current addresses of all the partners of the firm shall also accompany the bid.

If a limited company or a corporation makes the application, it shall be signed by a duly authorized person holding power of attorney for signing the bid, in which case a certified copy of the power of attorney shall accompany the bid. Such limited company or corporation may be required to furnish satisfactory evidence of its existence. The bidder shall also furnish a copy of the Memorandum of Articles of association duly attested by a Notary Public.

13) Bidders shall submit along with this tender:

- (i) Proof of having ISO or other equivalent certification given by appropriate authorities.
- (ii) Name and full address of the Banker and their IFSC / swift code and PAN No. and GSTIN number.
- (iii) GST registration proof showing registration number, area of registration, etc.
- (iv) All of your future correspondences including Invoices should bear the GST No. and Area code.
- (v) If the bidder belongs to Micro and Small Enterprises (MSE) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) and Startups as recognized by Department of Industrial Policy & Promotion (DIPP), (MSE/MSME/DIPP proof should be enclosed in the cover containing technical bid).

14) **Terms of Delivery:** - Supplier will be fully responsible for the safe carriage of goods upto the **NAC – II, 5th Floor, Department of Medical Sciences and Technology, IIT Madras** or named place as per PO, Insurance coverage will be in the scope of the supplier. The Installation/Commissioning should be completed as specified in our important conditions.

15) **Delivery Schedule:** - Items / equipments should be delivered and installed within **30 days** from the date of Purchase Order. No further extension of time will be allowed. Non delivery of items will lead to cancellation of Purchase Order without any notice.

- 16) **Catalogue:** Original catalogue (not any photocopy) of the quoted model duly signed must accompany the quotation in the Technical bid
- 17) **Late offer:** - The offers received after the due date and time will not be considered
- 18) **Payment:** - **No Advance payment will be made.** Payment will be made only after supply and satisfactory installation.
- 19) **On-site Installation:** - The equipment or machinery has to be installed or commissioned by the successful bidder within the number of days (as prescribed in the PO) from the date of receipt of the item at the site of IIT Madras.
- 20) **Warranty / Guarantee:** - The offer should clearly specify the warranty or guarantee period for the machinery/equipment. Any extended warranty offered for the same has to be mentioned separately (For more details please refer our Technical Specifications).
- ** Note: PO which involves installation, warranty/guarantee shall be applicable from date of installation.**
- 21) **Validity:** The Tender shall remain open for acceptance/validity till **120 days from the date of opening of the tender.** However, the day up to which the offer is to remain open being declared closed holiday for the Indian Institute of Technology Madras, the offer shall remain open for acceptance till the next working day.
- 22) **EMD:- N.A.**
- 23) **Performance Security:** - The successful bidder should submit Performance Security **for an amount of 3% of the value of the contract/supply.** The Performance Security may be furnished in the form of an Account Payee DD, FD Receipt in the name of "The Registrar, IIT Madras" from the Scheduled commercial bank, Bank Guarantee from any a Scheduled Commercial Bank of India. **The performance security should be furnished within 14 days from the date of the purchase order.**
- Performance Security in the form of Bank Guarantee:** - In case the successful bidder wishes to submit Performance Security in the form of Bank Guarantee, the Bank Guarantee should be routed directly from the issuing bank to IIT Madras. The Bank Guarantee should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including the warranty obligations.
- 24) **Right of Acceptance:** IIT Madras reserves the right to reject the whole or any part of the Tender without assigning any reason or to accept them in part or full.
- 25) **Communication of Acceptance:** Letter of Intimation and acceptance will be communicated by email to the successful bidder to the address indicated in the bid.
- 26) **Right of IIT Madras**
- The Registrar, IIT Madras reserves right to withdraw / relax any of the terms and conditions mentioned above so as to overcome the problem encountered by the contracting parties.
 - The Registrar, IIT Madras reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever and his / her decision shall be final and binding on the tenderer.
 - IIT Madras reserves the right to suitably increase / reduce the scope of supply put to this tender. In case of any ambiguity in the interpretation of any of the clauses in tender document or purchase order, interpretation of the clauses by the IIT Madras shall be final and binding on all parties. Failure to comply with any of the instructions stated in this documents or offering unsatisfactory explanations for non-compliance will likely to lead to rejection of offers.
- 27) **Debarment from Bidding:** In case of breach of Terms & Conditions, Bidder may be suspended from being eligible for bidding in any contract with the IIT Madras up to 2 Years [as per Rule 151(iii)of GFR] from the date of Tender.

- 28) Jurisdiction:** All questions, disputes, or differences arising under, out of or in connection with the contract, if concluded, shall be subject to the exclusive jurisdiction at the place from which the acceptance of tender is issued.
- 29)** All Amendments, time extension, clarifications etc., will be uploaded in the website only and will not be published in newspapers. Bidders should regularly visit the above website to keep themselves updated. No extension in the bid due date/ time shall be considered on account of delay in receipt of any document by mail.
- 30) Penalty & Liquidated Damages / Force Majeure:** If the selected Bidder fails to complete the due performance of the contract in accordance with the terms and conditions, Institute reserves the right either to cancel the contract or to accept performance already made by the selected Bidder after imposing Penalty on Selected Bidder. A penalty will be calculated on a per week basis and on the same Rate as applicable to Liquidated Damages (LD). In case of termination of the contract, Institute reserves the right to recover an amount equal to 5% of the Contract value as Liquidated Damages for non-performance.
- Both Penalty and Liquidated Damages are independent of each other and are applied separately and concurrently. Penalty and LD are not applicable for reasons attributable to the Institute and Force Majeure. However, it is the responsibility of the selected Bidder to prove that the delay is attributable to the Institute and Force Majeure. The selected Bidder shall submit the proof authenticated by the Bidder and Institute's official that the delay is attributed to the Institute and/or Force Majeure along with the bills requesting payment.
- 31)** The bidder shall certify that the tender document submitted by him / her are of the same replica of the tender document as published by IIT Madras and no corrections, additions and alterations made to the same. If any deviation is found in the same at any stage and date, the bid / contract will be rejected / terminated and actions will be initiated as per the terms and conditions of the contract / tender.
- 32)** The bidder should study the Pre-Qualification Criteria, Bidder Eligibility Criteria, Technical Specification, Guidelines and Terms and Conditions in detail as given in Tender document before submitting the bid.

33) I. Pre-Qualification Criteria:

1. The bidder shall not be from a country sharing land border with India and if the bidder is from a country sharing land border with India the bidder should have been registered with the competent authority as per orders of DIPP OM No. F. No. 6/18/2019-PPD dated 23rd July 2020, and MoCI Order No. P-45021/112/2020-PP (BE II) (E-43780) dated 24th August 2020. A declaration as per format given in **Annexure – D** shall be submitted with the bid.
2. **Only 'Class-I local suppliers' and 'Class-II local suppliers'**, as defined under DIPP, MoCI Order No. P45021/2/2017-PP (BE II) dated 16th September 2020 and other subsequent orders issued therein, shall be eligible to bid in this tender. Declaration for Class-I / Class-II local suppliers should be submitted in the prescribed proforma format as per **Annexure – E**.

Preference to "class I Local Suppliers": preference will be given to "class I local suppliers" (subject to class –I local supplier's quoted price falling within the margin of purchase preference) as per public procurement (preference to Make in India) order 2017 .O.M No P- 45021/2/2017 – pp(BE – 11) dt 04/06/2020 subject to the conditions that the "Class I Local Supplier" should agree to supply goods / provide service at L1 rate and furnish a certificate with the technical bid document that the goods/service provided by them consists local content equal to or more than 50%.

Class – I local supplier" means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to or more than 50% as defined under the above said order. Declaration to be provided as per Annexure-I per item/service/work.

Class – II local supplier" means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to 20% but less than 50% as defined under the above said order Declaration to be provided as per Annexure-I per item/service/work.

Margin of purchase preference": - The margin of purchase preference shall be 20%. The Definition of the margin of purchase preference is defined in the Govt. of India Order No: P- 45021/12/2017-PP (BE-II) Dt.4th June, 2020) Order 2017. As per the Government of India Order – "Margin of Purchase Preference" means the maximum extent to which the price quoted by a "Class-I local supplier" may be above the L1 for the purpose of purchase preference.

*** Note: Local content percentage to be calculated in accordance with the definition provided at clause 2 of revised public procurement preference to Make in India Policy vide GoI Order no. P- 45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020)MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P-45021/102/2019-BE-II-Part(1) (E-50310) Dt.4th March 2021*

II. Bidder Eligibility Criteria:

1. Neither the tender participating firm nor any of its partners has been blacklisted / debarred /involved / convicted in any criminal case / economic offence nor any criminal case / economic offence is **pending** against firm or any partner of the Firm before any Court of Law / Police. A self-declaration format given in **Annexure – F**.
2. The bidders should be an OEM or authorized supplier of OEM. Necessary OEM certificate/OEM authorization letter for this particular tender should be submitted by the bidder as given in **Annexure-G**.

3. The bidder must have cumulative financial turnover at least Rs. 25 Lakhs in the last three financial years i.e. 2020-2021, 2021-2022 and 2022-2023 (Financial statements / certificates duly certified by Chartered Accountant should be submitted as proof).
4. The bidder should have experience in supply of two similar items to the reputed Institutions (like IIT, NIT, AIIMS, Central/State Medical Colleges, Universities and Institutions/Central Research Labs/ R&D Units in India in the last three years (2020, 2021 and 2022). **Copies of PO and installation report should be submitted as a proof for the supply.**

34) Evaluation of Bids:

Stage I: Technical Bid evaluation

Technical Bid Evaluation will be done in two stages.

1. In the 1st stage, Bidder will be evaluated first for conformity with Pre-Qualification Criteria & Bidder Eligibility Criteria and those bidders who have complied with Pre-Qualification Criteria & Bidder Eligibility Criteria will alone be evaluated further.
2. In the 2nd stage, the Technical Specification offered by the bidders will be evaluated by the technical committee for compliance. Only those bidders who have fully complied with Pre-Qualification Criteria, Bidder Eligibility Criteria and Technical Specification will be considered for financial bid evaluation.

Stage II: Financial Bid Evaluation

The Lowest financial bid among those who have qualified in the Technical bid will be declared as successful bidder (L1) and the order will be awarded to successful bidder (L1).

- 35) In accordance to the Rule 173 of GFR,2017 and relevant provisions thereof in Procurement Manuals, 2022, IITM reserves the right to carry out the negotiation process through its purchase/technical committee with L1/H1 (as applicable) vendor to ensure price reasonability before final recommendation to the Competent Authority. The negotiation details, if any, on case to case basis shall be recorded in minutes of meetings suitably for records.

36) Selection of Successful bidder and Award of Order.

The order will be directly awarded to the technically qualified bidder as per the condition in para 3A of DIPP, MoCI Order No. 45021/2/2017-pp (BE II) dated 16th September 2020 & P- 45021/102/2019-BE-II-Part(1) (E-50310) Dt.4th March 2021 and any subsequent modifications/Amendments, and latest orders if any.

- 37) **Unsolicited offers:** “This notice is being published **for information only** and is not an open invitation to quote in this limited tender. Participation in this tender is by invitation only and is limited to the selected registered suppliers. Unsolicited offers shall be ignored. However, suppliers who desire to participate in such tenders in future may apply for registration as per procedure.” The Website for Registration of vendors is <https://icandsr.iitm.ac.in/vendorportal> and the mail address for queries is “vendorhelpdesk@icsrpis.iitm.ac.in”.

- 38) **Bid Opening:** - The technical bid will be opened on **06.02.2024 2.30pm** at the **Department of Engineering Design, IIT Madras** and the **financial bids** of those tenderers who are technically qualified will be opened at a **later date under intimation to them.**

Sd/-
Boby George
Head,
Department of Medical Sciences and Technology
IIT Madras, Chennai 600036

Acknowledgement

It is hereby acknowledged that I/We have gone through all the points listed under “Pre-Qualification criteria, Bidder Eligibility Criteria, Technical Specification, Guidelines and Terms and Conditions” of tender document, the same is abided and agreed to be executed. In case, if the above information is found false, I/We are fully aware that the tender / order will be rejected / cancelled by IIT Madras.

**SIGNATURE OF BIDDER ALONG WITH
SEAL OF THE COMPANY WITH DATE**

SCHEDULE OF TENDER

**Supply of Two Sets of “Visuvalization charts / models defining the body functions”
Tender No IITM/MST/2023-24/001/VISUVALIZATIONCHARTS**

Name of Organization	Indian Institute of Technology Madras
GeM Non Availability Report Number	GEM/GARPTS/11012024/YRGZF3L52PVZ
Tender Type (Open/Limited/EOI/Auction/Single)	Limited
Tender Category (Services/Goods/Works)	Goods
Type/Form of Contract (Work/Supply/Auction/Service/ Buy/ Empanelment/ Sell)	Supply
Name of the Item	Supply of TWO SETS of “Visuvalization charts / models defining the body functions”
Source of Fund (Institute/Project)	IIT Madras
Is Multi Currency Allowed	No
Date of Issue/Publishing	21.02.2024
Tender Start Date	21.02.2024
Pre-Bidding Date	Nil
Last Date and Time for Receiving Bids	05.02.2024 @ 03.00 p.m.
Address for receiving Bids	The Head, Department of Medical Sciences and Technology, Temporary located in Room No.ED205, Tyre lab, 2nd floor, Department of Engineering Design, IIT Madras, Sardar Patel Road, Chennai – 600036
Date and Time of Bids Opening	06.02.2024 @ 02.30 p.m.
No. of Covers (1/2/3/4)	2
Bid Validity days (180/120/90/60/30)	120 Days
Address for Communication	<u>For General Queries</u> The Head Department of Medical Sciences and Technology IIT Madras Chennai – 600036 Phone No. 044 22575696 Email: mstoffice@iitm.ac.in
Tender Inviting Authority and Address	Prof. Bobby George Head, Department of Medical Sciences and Technology IIT Madras, Chennai 600036
Tender Creator Details	Raman K Superintendent Dept. Of MST, IIT Madras, Chennai 600036

TECHNICAL BID

**Supply of Two Sets of “Visuvalization charts / models defining the body functions”
Tender No IITM/MST/2023-24/001/VISUVALIZATIONCHARTS**

A. PRE-QUALIFICATION CRITERIA

1. The bidder shall not be from a country sharing land border with India and if the bidder is from a country sharing land border with India the bidder should have been registered with the competent authority as per orders of DIPP OM No. F. No. 6/18/2019-PPD dated 23rd July 2020, and MoCI Order No. P-45021/112/2020-PP (BE II) (E-43780) dated 24th August 2020. A declaration as per format given in **Annexure – D** shall be submitted with the bid.
2. Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P45021/2/2017-PP (BE II) dated 16th September 2020 and other subsequent orders issued therein, shall be eligible to bid in this tender. Declaration for Class-I / Class-II local suppliers should be submitted in the prescribed proforma format as per **Annexure – E**.

B. BIDDER ELIGIBILITY CRITERIA

5. Neither the tender participating firm nor any of its partners has been blacklisted / debarred /involved / convicted in any criminal case / economic offence nor any criminal case / economic offence is **pending** against firm or any partner of the Firm before any Court of Law / Police. A self-declaration format given in **Annexure – F**.
6. The bidders should be an OEM or authorized supplier of OEM. Necessary OEM certificate/OEM authorization letter for this particular tender should be submitted by the bidder as given in **Annexure-G**.
7. The bidder must have cumulative financial turnover at least Rs. 25 Lakhs in the last three financial years i.e. 2020-2021, 2021-2022 and 2022-2023 (Financial statements / certificates duly certified by Chartered Accountant should be submitted as proof).
8. The bidder should have experience in supply of two similar items to the reputed Institutions (like IIT, NIT, AIIMS, Central/State Medical Colleges, Universities and Institutions/Central Research Labs)/ R&D Units in India in the last three years (2020, 2021 and 2022). **Copies of PO and installation report should be submitted as a proof for the supply.**

C. TECHNICAL SPECIFICATIONS

A	Models (Material: Advanced PVC or anything similar as per latest design, Type: Single unit/ multiple sub parts for layer level visualization)
	<ol style="list-style-type: none">1. Male Muscle figure – whole body Height – 86 cm to 100 cm, width – 45 cm to 55 cm, thickness – 35 cm – 45 cm2. Muscles of foot Height – 20 cm to 30 cm, width – 10 cm to 20 cm, thickness – 35 cm – 45 cm3. Muscles of arm with main vessels and nerve Length – 86 cm to 95 cm, width – 25 cm to 35 cm, Height – 15 cm – 25 cm4. Muscles of Hand Height – 20 cm to 30 cm, width – 12 cm to 20 cm, thickness – 5 cm – 10 cm5. Muscles of the leg Height – 15 cm to 25 cm, Length – 800 cm to 1000 cm, width – 10 cm – 20 cm6. Torso with head and interchangeable male and female genitals Height – 85 cm to 100 cm, width – 40 cm to 50 cm, thickness – 25 cm – 45 cm7. Skin Section Height – 20 cm to 30 cm, width – 20 cm to 30 cm, thickness – 3 cm – 10 cm. Enlarged – 70 – 100 times with

multiple parts.

- 8. Transparent Torso with internal organs**
To show the anatomical position of the Internal organs
- 9. Dual – sex torso with head and open back**
Should have interchangeable male & female genitals, abdomen covers, open back muscles of head and open & neck internal organ, skull and brain etc., It also shows the anatomical structure of head, neck, trunk, some parts of upper limbs, muscles, thorax, celiac cavity.
Height – 80 cm to 90 cm, width – 30 cm to 50 cm, thickness – 15 cm – 25 cm
- 10. Half head with blood vessels**
Height – 30 cm to 45 cm, width – 20 cm to 40 cm, thickness – 5 cm – 15 cm
- 11. Head with muscles**
Height – 30 cm to 40 cm, width – 15 cm to 50 cm, thickness – 15 cm – 25 cm
- 12. Human half head, brain and neck region brain (sagittal section)**
- 13. Muscular head with brain**
- 14. Human Brain: Functional localization**
- 15. Brain lobe model**
- 16. Functional zones of cerebral cortex**
- 17. Head, Brain with arteries**
Height – 15 cm to 25 cm, width – 10 cm to 20 cm, thickness – 15 cm – 25 cm
Twice enlarged grand human brain
- 18. Brain stem**
- 19. Human skull with brain**
- 20. Human brain**
Height – 10 cm to 20 cm, width – 10 cm to 20 cm, thickness – 15 cm – 25 cm
- 21. Spinal cord in spinal canal**
- 22. Nervous system**
Height – 80 cm to 100 cm, width – 20 cm to 30 cm, thickness – 2 cm – 5 cm
- 23. Sympathetic nervous system**
- 24. Spinal cord in the spinal canal**
Should show neuraxon, presynaptic membrane, synaptic vesicle mitochondrion, neurofilament etc.,
Height – 15 cm to 25 cm, width – 14 cm to 20 cm, thickness – 10 cm – 20 cm
- 25. Neuron**
Height – 30 cm to 50 cm, width – 20 cm to 30 cm, thickness – 10 cm – 25 cm. Enlarged 2500 times
- 26. Taste receptors**
- 27. Enteric nervous system**
- 28. Peripheral nervous system**
- 29. Olfactory receptors**
- 30. Pupilla adjustment model (Light operated)**
Photoelectric cell – operated adjustment of pupilla changes
- 31. Human Eyeball**
Height – 15 cm to 30 cm, width – 15 cm to 30 cm, thickness – 10 cm – 15 cm. Enlarged approx. 5 times located horizontally
- 32. Eyeball with part of orbit**
Height – 10 cm to 20 cm, width – 10 cm to 20 cm, thickness – 20 cm – 25 cm. Enlarged Approx 3-5 times
- 33. Working eye model**
- 34. Microanatomy eye model**
- 35. Retinogeniculostriate visual pathway**
- 36. Cochlear receptors**
- 37. Anatomical Ear**
Height – 20 cm to 30 cm, width – 30 cm to 40 cm, thickness – 10 cm – 25 cm. Enlarged approx. 3 times
- 38. Anatomical ear with pinna**
Height – 40 cm to 50 cm, width – 40 cm to 50 cm, thickness – 20 cm – 30 cm. Enlarged Approx 4 times
- 39. Ear Labyrinth**
Height – 15 cm to 25 cm, width – 10 cm to 20 cm, thickness – 10 cm – 25 cm. Enlarged approx. 18 times
- 40. Labyrinth with auditory ossicles and tympanic membrane**
Height – 10 cm to 20 cm, width – 10 cm to 20 cm, thickness – 10 cm – 25 cm. Enlarged approx. 4 times
- 41. Auditory ossicles**
- 42. Larynx with tongue**
Should contain laryngeal muscles, cavity. Height – 10 cm to 20 cm, width – 05 cm to 10 cm, thickness – 10 cm –

25 cm.

- 43. Interior model of mouth, nose, pharynx and larynx with blood vessels**
Height – 20 cm to 30 cm, width – 2 cm to 5 cm, thickness – 10 cm – 25 cm.
- 44. Human endocrine system**
- 45. Functional model of larynx**
- 46. Heart, lung and larynx**
Height – 30 cm to 50 cm, width – 20 cm to 30 cm, thickness – 10 cm – 25 cm. Should have anatomical structure of the heart, lung and the aortic hiatus of the diaphragm.
- 47. Heart, lung and bronchial tree**
Height – 20 cm to 30 cm, width – 20 cm to 30 cm, thickness – 10 cm – 25 cm. Should show in 2/3 life size of the tracheobronchial system, heart, major vessels and pulmonary vessels.
- 48. Transparent lung**
- 49. Lung segments**
- 50. Heart model**
- 51. Thoracic cavity model**
Should contain aortic arch, coronal section of atrium and ventricle, right auricle and left atrium
- 52. Anatomical heart model**
Height – 10 cm to 20 cm, width – 10 cm to 20 cm, thickness – 10 cm – 25 cm.
- 53. Circulatory system**
Height – 80 cm to 90 cm, width – 20 cm to 30 cm, thickness – 5 cm – 15 cm. ½ life size
- 54. Lobule and alveolus of lung**
Magnified lobule should show terminal bronchiole, respiratory bronchiole, alveolar epithelium with width approx.- 20-30 cm and Thickness – 5-15 cm.
- 55. Child heart model**
Should be showing the coronal section of atrium and ventricle – 2 times the size.
- 56. Magnified artery and vein model**
- 57. Lymphatic system**
Height – 70 cm to 80 cm, width – 40 cm to 50 cm, thickness – 5 cm – 15 cm.
- 58. Digestive system**
- 59. Stomach wall**
- 60. Appendix and caecum**
- 61. Internal surface of jejunum**
- 62. Liver with pathology**
- 63. Stomach on stand – 2 parts**
Longitudinal and circular muscle layers, cardia and pylorus, the mucous membrane and the gastric canal, stomach wall, network of arteries and nerve.
- 64. Micro anatomy digestive system**
Should illustrate the structure of the fine tissues of four characteristic sections of the digestive system a. Oesophagus b. Stomach c. small Intestine d. large Intestine
- 65. Micro anatomy - Liver**
- 66. Spleen, pancreas and duodenum**
- 67. Liver and Gall bladder**
Height – 10 cm to 30 cm, width – 20 cm to 30 cm, thickness – 5 cm – 15 cm.
- 68. Microanatomy – Kidney**
Longitudinal section of a kidney, section of renal cortex and renal medulla, diagrammatic/ didactic illustration of an opened renal corpuscle mounted on a base.
- 69. Human Excretory system**
- 70. Kidney, nephron and corpuscle**
- 71. Female urinary organ**
- 72. Male urinary organ**
- 73. Transparent renal segment**
- 74. Kidney and adrenal glands**
Should show the anatomical structure of the kidney including cortical substance, medulla, proximal convoluted tubule, distal convoluted tubule, connecting canal mammillary ducts, minor renal calices, greater renal, pelvis of ureter, ureter interlobular arteries and vena, renal arteries and vena, adrenal gland.
- 75. Male genital organs**
Height – 20 cm to 30 cm, width – 15 cm to 30 cm, thickness – 15 cm – 25 cm.
- 76. Female genital organs**
Height – 10 cm to 30 cm, width – 10 cm to 30 cm, thickness – 15 cm – 25 cm.

- 77. Median section of Male pelvis**
Height – 20 cm to 30 cm, width – 10 cm to 30 cm, thickness – 15 cm – 25 cm.
- 78. Diseased Kidney**
- 79. Kidney stone**
- 80. Female inner genital organ**
- 81. Female pelvis**
- 82. Median section of female pelvis**
- 83. Inguinal hernia**
- 84. Male perineum anatomy**
- 85. Female perineum anatomy**
- 86. Anatomical uterus**
Height – 5 cm to 10 cm, width – 10 cm to 30 cm, thickness – 5 cm – 15 cm. Should show bladder, uterus, vagina, ureter and ovary
- 87. Uterus ovary**
- 88. Magnified testicle**
Should show the inner structure of testicle with 10 times of life size
- 89. Rectum**
- 90. Fertilization and development of human ovum up to 3 rd month.**
Height – 30 cm to 40 cm, width – 50 cm to 80 cm, thickness – 10 cm – 25 cm.
- 91. Demonstration model of pregnancy**
Height – 30 cm to 50 cm, width – 10 cm to 30 cm, thickness – 25 cm – 35 cm.
- 92. Human embryo**
- 93. Pelvis with uterus in nine months of pregnancy**
Height – 30 cm to 40 cm, width – 15 cm to 30 cm, thickness – 15 cm – 35 cm.
- 94. Fetal circulatory system**
- 95. Ovary model**
Height – 20 cm to 30 cm, width – 25 cm to 40 cm, thickness – 10 cm – 25 cm.
- 96. Enlarged model of placenta**
- 97. Demonstration model of childbirth**
- 98. Should contain uterus, fetus, placenta and to show the procedures of the delivery(life size)**
- 99. Mammary gland in resting period**
Height – 10 cm to 30 cm, width – 10 cm to 20 cm, thickness – 10 cm – 20 cm.
- 100. Stages of pregnancy uterus with fetus.**
- 101. Rubber baby**
- 102. Section through the shoulder joint**
- 103. Section through the Knee joint**
- 104. Section through the Elbow joint**
- 105. Section through the Hip joint**
- 106. Section through a normal foot**
- 107. Section through the Hand**
- 108. Microanatomy – muscle fibre**
- 109. Section through the shoulder joint**
Has to illustrate a section of skeletal muscle fibre and its neuromuscular end plate with an approx. magnification of 10K times
- 110. Functional Shoulder joint**
- 111. Functional Hip joint**
- 112. Functional Elbow joint**
- 113. Functional wrist joint**
- 114. Functional ankle joint**
- 115. Functional Knee joint**
- 116. Adult leg bone with three joints and ligaments**
- 117. Adult arm bone with three joints and ligaments**
- 118. Vertebral column with stand**
- 119. Flexible spine with male pelvis**
- 120. Skeleton of male pelvis**
- 121. Thoracic vertebra with spinal cord**
- 122. Skeleton of female pelvis**
- 123. Adult skull**
- 124. Infant skull**

	<p>125. Bone tissue model 126. Osteoporosis model 127. Child cranial bone model 128. Disarticulated human skeleton with skull 129. Entire Human skeletal system with stand 130. Model of jaw and mandible with articulation and in white resin with transparent gum gingivae and rooted channelled removable teeth, transparent at root level. 131. Development of a set of teeth 132. Half lower jaw, 3 times full size</p>
B	Microscopic Histology slides of
	<ol style="list-style-type: none"> 1. Adipose tissue 2. Hyaline cartilage 3. Elastic cartilage 4. White fibro cartilage 5. Bone T.S 6. Bone L.S 7. Skeletal muscle 8. Smooth muscle 9. Cardiac muscle 10. Peripheral nerve T.S 11. Peripheral nerve L.S 12. Sensory ganglion 13. Dorsal root ganglion 14. Elastic artery 15. Large vein 16. Small vein 17. Lymph node 18. Thymus 19. Platine tonsil 20. Spleen 21. Oesophagus 22. Tongue filli form and fungi form papillae 23. Stomach – fundus 24. Stomach – pylorus 25. Duodenum 26. Jejunum 27. Ileum 28. Large intestine 29. Appendix 30. Liver 31. Gall bladder 32. Pancreas 33. Salivary gland 34. Trachea 35. Lung 36. Thyroid with para thyroid 37. Pituitary gland 38. Adrenal gland 39. Kidney 40. Ureter 41. Ovary 42. Uterus 43. Vas deferens 44. Thin skin 45. Thick skin 46. Cornea 47. Retina 48. Spinal cord 49. Cerebrum

	50. Cerebellum 51. Placenta 52. Umbilical cord 53. Mammary gland 54. Lymph node 55. Muscle spindle 56. Finger nail section 57. Nerve bundle 58. Cervix 59. Penis c.s 60. Fallopian tube sec.
C	Illustrative display charts/ posters
	1. Anatomy and physiology of Systems of body (respectively) – Circulatory, digestive, nervous, cardiovascular, respiratory, integumentary, reproductive, Genito urinary, musculoskeletal and special senses. 2. Human body – colour atlas with parts labelled 3. Musculoskeletal system – full and region specific (parts labelled) 4. Organs of Human body (respectively) 5. Central and peripheral nervous system – Brain and spine. 6. Informative posters on various pathological/disease conditions 7. Pharmacology – Drug action in body 8. Metabolism process 9. Cell and Tissue level information 10. Microbiology posters.
D	Warranty – Three years
E	Demonstration and Training Required – YES
F	Delivery:- One month or earlier from the date of PO

Sd/-
Boby George
 Head,
 Department of Medical Sciences and Technology
 IIT Madras, Chennai 600036

PROFORMA FOR TECHNICAL BID

**Supply of Two Sets of “Visuvalization charts / models defining the body functions”
Tender No IITM/MST/2023-24/001/VISUVALIZATIONCHARTS**

A. PRE QUALIFICATION CRITERIA:

Sl. No.	Description	Compliance (Yes / No)	Reference Page No.
I	PRE-QUALIFICATION CRITERIA		
1	The bidder shall not be from a country sharing land border with India and if the bidder is from a country sharing land border with India the bidder should have been registered with the competent authority as per orders of DIPP OM No. F. No. 6/18/2019-PPD dated 23rd July 2020, and MoCI Order No. P-45021/112/2020-PP (BE II) (E-43780) dated 24th August 2020. A declaration as per format given in Annexure – D shall be submitted with the bid.		
2	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P45021/2/2017-PP (BE II) dated 16th September 2020 and other subsequent orders issued therein, shall be eligible to bid in this tender. Declaration for Class-I / Class-II local suppliers should be submitted in the prescribed proforma format as per Annexure – E .		
II	BIDDER ELIGIBILITY CRITERIA		
1	Neither the tender participating firm nor any of its partners has been blacklisted / debarred /involved / convicted in any criminal case / economic offence nor any criminal case / economic offence is pending against firm or any partner of the Firm before any Court of Law / Police. A self-declaration format given in Annexure – F .		
2	The bidders should be an OEM or authorized supplier of OEM. Necessary OEM certificate/OEM authorization letter for this particular tender should be submitted by the bidder as given in Annexure-G .		
3	The bidder must have cumulative financial turnover at least Rs. 25 Lakhs in the last three financial years i.e. 2020-2021, 2021-2022 and 2022-2023 (Financial statements / certificates duly certified by Chartered Accountant should be submitted as proof).		
4	The bidder should have experience in supply of two similar items Visuvalization charts / models defining the body functions to the reputed Institutions (like IIT, NIT, AIIMS, Central / State Medical Colleges, Universities and Institutions / Central Research Labs)/ R&D Units in India in the last three years (2020, 2021 and 2022). Copies of PO and installation report should be submitted as a proof for the supply.		

PROFORMA FOR TECHNICAL BID

**Supply of Two Sets of “Visuvalization charts / models defining the body functions”
Tender No IITM/MST/2023-24/001/VISUVALIZATIONCHARTS**

B. TECHNICAL SPECIFICATION COMPLIANCE:

	Item Description	Compliance (Yes / No)	Reference Page No.
A	Models (Material: Advanced PVC or anything similar as per latest design, Type: Single unit/ multiple sub parts for layer level visualization)		
	<ol style="list-style-type: none"> 1. Male Muscle figure – whole body Height – 86 cm to 100 cm, width – 45 cm to 55 cm, thickness – 35 cm – 45 cm 2. Muscles of foot Height – 20 cm to 30 cm, width – 10 cm to 20 cm, thickness – 35 cm – 45 cm 3. Muscles of arm with main vessels and nerve Length – 86 cm to 95 cm, width – 25 cm to 35 cm, Height – 15 cm – 25 cm 4. Muscles of Hand Height – 20 cm to 30 cm, width – 12 cm to 20 cm, thickness – 5 cm – 10 cm 5. Muscles of the leg Height – 15 cm to 25 cm, Length – 800 cm to 1000 cm, width – 10 cm – 20 cm 6. Torso with head and interchangeable male and female genitals Height – 85 cm to 100 cm, width – 40 cm to 50 cm, thickness – 25 cm – 45 cm 7. Skin Section Height – 20 cm to 30 cm, width – 20 cm to 30 cm, thickness – 3 cm – 10 cm. Enlarged – 70 – 100 times with multiple parts. 8. Transparent Torso with internal organs To show the anatomical position of the Internal organs 9. Dual – sex torso with head and open back Should have interchangeable male & female genitals, abdomen covers, open back muscles of head and open & neck internal organ, skull and brain etc., It also shows the anatomical structure of head, neck, trunk, some parts of upper limbs, muscles, thorax, celiac cavity. Height – 80 cm to 90 cm, width – 30 cm to 50 cm, thickness – 15 cm – 25 cm 10. Half head with blood vessels Height – 30 cm to 45 cm, width – 20 cm to 40 cm, thickness – 5 cm – 15 cm 11. Head with muscles Height – 30 cm to 40 cm, width – 15 cm to 50 cm, thickness – 15 cm – 25 cm 12. Human half head, brain and neck region brain (sagittal section) 13. Muscular head with brain 14. Human Brain: Functional localization 15. Brain lobe model 16. Functional zones of cerebral cortex 17. Head, Brain with arteries Height – 15 cm to 25 cm, width – 10 cm to 20 cm, thickness – 15 cm – 25 cm Twice enlarged grand human brain 18. Brain stem 19. Human skull with brain 20. Human brain Height – 10 cm to 20 cm, width – 10 cm to 20 cm, thickness – 15 cm – 25 cm 21. Spinal cord in spinal canal 22. Nervous system Height – 80 cm to 100 cm, width – 20 cm to 30 cm, thickness – 2 cm – 5 cm 		

Item Description	Compliance (Yes / No)	Reference Page No.
<p>23. Sympathetic nervous system</p> <p>24. Spinal cord in the spinal canal Should show neuraxon, presynaptic membrane, synaptic vesicle mitochondrion, neurofilament etc., Height – 15 cm to 25 cm, width – 14 cm to 20 cm, thickness – 10 cm – 20 cm</p> <p>25. Neuron Height – 30 cm to 50 cm, width – 20 cm to 30 cm, thickness – 10 cm – 25 cm. Enlarged 2500 times</p> <p>26. Taste receptors</p> <p>27. Enteric nervous system</p> <p>28. Peripheral nervous system</p> <p>29. Olfactory receptors</p> <p>30. Pupilla adjustment model (Light operated) Photoelectric cell – operated adjustment of pupilla changes</p> <p>31. Human Eyeball Height – 15 cm to 30 cm, width – 15 cm to 30 cm, thickness – 10 cm – 15 cm. Enlarged approx. 5 times located horizontally</p> <p>32. Eyeball with part of orbit Height – 10 cm to 20 cm, width – 10 cm to 20 cm, thickness – 20 cm – 25 cm. Enlarged Approx 3-5 times</p> <p>33. Working eye model</p> <p>34. Microanatomy eye model</p> <p>35. Retinogeniculostriate visual pathway</p> <p>36. Cochlear receptors</p> <p>37. Anatomical Ear Height – 20 cm to 30 cm, width – 30 cm to 40 cm, thickness – 10 cm – 25 cm. Enlarged approx. 3 times</p> <p>38. Anatomical ear with pinna Height – 40 cm to 50 cm, width – 40 cm to 50 cm, thickness – 20 cm – 30 cm. Enlarged Approx 4 times</p> <p>39. Ear Labyrinth Height – 15 cm to 25 cm, width – 10 cm to 20 cm, thickness – 10 cm – 25 cm. Enlarged approx. 18 times</p> <p>40. Labyrinth with auditory ossicles and tympanic membrane Height – 10 cm to 20 cm, width – 10 cm to 20 cm, thickness – 10 cm – 25 cm. Enlarged approx. 4 times</p> <p>41. Auditory ossicles</p> <p>42. Larynx with tongue Should contain laryngeal muscles, cavity. Height – 10 cm to 20 cm, width – 05 cm to 10 cm, thickness – 10 cm – 25 cm.</p> <p>43. Interior model of mouth, nose, pharynx and larynx with blood vessels Height – 20 cm to 30 cm, width – 2 cm to 5 cm, thickness – 10 cm – 25 cm.</p> <p>44. Human endocrine system</p> <p>45. Functional model of larynx</p> <p>46. Heart, lung and larynx Height – 30 cm to 50 cm, width – 20 cm to 30 cm, thickness – 10 cm – 25 cm. Should have anatomical structure of the heart, lung and the aortic hiatus of the diaphragm.</p> <p>47. Heart, lung and bronchial tree Height – 20 cm to 30 cm, width – 20 cm to 30 cm, thickness – 10 cm – 25 cm. Should show in 2/3 life size of the tracheobronchial system, heart, major vessels and pulmonary vessels.</p> <p>48. Transparent lung</p> <p>49. Lung segments</p> <p>50. Heart model</p> <p>51. Thoracic cavity model Should contain aortic arch, coronal section of atrium and ventricle, right auricle</p>		

Item Description	Compliance (Yes / No)	Reference Page No.
<p>and left atrium</p> <p>52. Anatomical heart model Height – 10 cm to 20 cm, width – 10 cm to 20 cm, thickness – 10 cm – 25 cm.</p> <p>53. Circulatory system Height – 80 cm to 90 cm, width – 20 cm to 30 cm, thickness – 5 cm – 15 cm. ½ life size</p> <p>54. Lobule and alveolus of lung Magnified lobule should show terminal bronchiole, respiratory bronchiole, alveolar epithelium with width approx.- 20-30 cm and Thickness – 5-15 cm.</p> <p>55. Child heart model Should be showing the coronal section of atrium and ventricle – 2 times the size.</p> <p>56. Magnified artery and vein model</p> <p>57. Lymphatic system Height – 70 cm to 80 cm, width – 40 cm to 50 cm, thickness – 5 cm – 15 cm.</p> <p>58. Digestive system</p> <p>59. Stomach wall</p> <p>60. Appendix and caecum</p> <p>61. Internal surface of jejunum</p> <p>62. Liver with pathology</p> <p>63. Stomach on stand – 2 parts Longitudinal and circular muscle layers, cardia and pylorus, the mucous membrane and the gastric canal, stomach wall, network of arteries and nerve.</p> <p>64. Micro anatomy digestive system Should illustrate the structure of the fine tissues of four characteristic sections of the digestive system a. Oesophagus b. Stomach c. small Intestine d. large Intestine</p> <p>65. Micro anatomy - Liver</p> <p>66. Spleen, pancreas and duodenum</p> <p>67. Liver and Gall bladder Height – 10 cm to 30 cm, width – 20 cm to 30 cm, thickness – 5 cm – 15 cm.</p> <p>68. Microanatomy – Kidney Longitudinal section of a kidney, section of renal cortex and renal medulla, diagrammatic/ didactic illustration of an opened renal corpuscle mounted on a base.</p> <p>69. Human Excretory system</p> <p>70. Kidney, nephron and corpuscle</p> <p>71. Female urinary organ</p> <p>72. Male urinary organ</p> <p>73. Transparent renal segment</p> <p>74. Kidney and adrenal glands Should show the anatomical structure of the kidney including cortical substance, medulla, proximal convoluted tubule, distal convoluted tubule, connecting canal mammillary ducts, minor renal calices, greater renal, pelvis of ureter, ureter interlobular arteries and vena, renal arteries and vena, adrenal gland.</p> <p>75. Male genital organs Height – 20 cm to 30 cm, width – 15 cm to 30 cm, thickness – 15 cm – 25 cm.</p> <p>76. Female genital organs Height – 10 cm to 30 cm, width – 10 cm to 30 cm, thickness – 15 cm – 25 cm.</p> <p>77. Median section of Male pelvis Height – 20 cm to 30 cm, width – 10 cm to 30 cm, thickness – 15 cm – 25 cm.</p> <p>78. Diseased Kidney</p> <p>79. Kidney stone</p> <p>80. Female inner genital organ</p> <p>81. Female pelvis</p> <p>82. Median section of female pelvis</p> <p>83. Inguinal hernia</p> <p>84. Male perineum anatomy</p> <p>85. Female perineum anatomy</p>		

Item Description	Compliance (Yes / No)	Reference Page No.
<p>86. Anatomical uterus Height – 5 cm to 10 cm, width – 10 cm to 30 cm, thickness – 5 cm – 15 cm. Should show bladder, uterus, vagina, ureter and ovary</p> <p>87. Uterus ovary</p> <p>88. Magnified testicle Should show the inner structure of testicle with 10 times of life size</p> <p>89. Rectum</p> <p>90. Fertilization and development of human ovum up to 3 rd month. Height – 30 cm to 40 cm, width – 50 cm to 80 cm, thickness – 10 cm – 25 cm.</p> <p>91. Demonstration model of pregnancy Height – 30 cm to 50 cm, width – 10 cm to 30 cm, thickness – 25 cm – 35 cm.</p> <p>92. Human embryo</p> <p>93. Pelvis with uterus in nine months of pregnancy Height – 30 cm to 40 cm, width – 15 cm to 30 cm, thickness – 15 cm – 35 cm.</p> <p>94. Fetal circulatory system</p> <p>95. Ovary model Height – 20 cm to 30 cm, width – 25 cm to 40 cm, thickness – 10 cm – 25 cm.</p> <p>96. Enlarged model of placenta</p> <p>97. Demonstration model of childbirth</p> <p>98. Should contain uterus, fetus, placenta and to show the procedures of the delivery(life size)</p> <p>99. Mammary gland in resting period Height – 10 cm to 30 cm, width – 10 cm to 20 cm, thickness – 10 cm – 20 cm.</p> <p>100. Stages of pregnancy uterus with fetus.</p> <p>101. Rubber baby</p> <p>102. Section through the shoulder joint</p> <p>103. Section through the Knee joint</p> <p>104. Section through the Elbow joint</p> <p>105. Section through the Hip joint</p> <p>106. Section through a normal foot</p> <p>107. Section through the Hand</p> <p>108. Microanatomy – muscle fibre</p> <p>109. Section through the shoulder joint Has to illustrate a section of skeletal muscle fibre and its neuromuscular end plate with an approx. magnification of 10K times</p> <p>110. Functional Shoulder joint</p> <p>111. Functional Hip joint</p> <p>112. Functional Elbow joint</p> <p>113. Functional wrist joint</p> <p>114. Functional ankle joint</p> <p>115. Functional Knee joint</p> <p>116. Adult leg bone with three joints and ligaments</p> <p>117. Adult arm bone with three joints and ligaments</p> <p>118. Vertebral column with stand</p> <p>119. Flexible spine with male pelvis</p> <p>120. Skeleton of male pelvis</p> <p>121. Thoracic vertebra with spinal cord</p> <p>122. Skeleton of female pelvis</p> <p>123. Adult skull</p> <p>124. Infant skull</p> <p>125. Bone tissue model</p> <p>126. Osteoporosis model</p> <p>127. Child cranial bone model</p> <p>128. Disarticulated human skeleton with skull</p> <p>129. Entire Human skeletal system with stand</p> <p>130. Model of jaw and mandible with articulation and in white resin with transparent gum gingivae and rooted channelled removable teeth,</p>		

Item Description		Compliance (Yes / No)	Reference Page No.
	transparent at root level. 131.Development of a set of teeth 132.Half lower jaw, 3 times full size		
B	Microscopic Histology slides of		
	<ol style="list-style-type: none"> 1. Adipose tissue 2. Hyaline cartilage 3. Elastic cartilage 4. White fibro cartilage 5. Bone T.S 6. Bone L.S 7. Skeletal muscle 8. Smooth muscle 9. Cardiac muscle 10. Peripheral nerve T.S 11. Peripheral nerve L.S 12. Sensory ganglion 13. Dorsal root ganglion 14. Elastic artery 15. Large vein 16. Small vein 17. Lymph node 18. Thymus 19. Platine tonsil 20. Spleen 21. Oesophagus 22. Tongue filli form and fungi form papillae 23. Stomach – fundus 24. Stomach – pylorus 25. Duodenum 26. Jejunum 27. Ileum 28. Large intestine 29. Appendix 30. Liver 31. Gall bladder 32. Pancreas 33. Salivary gland 34. Trachea 35. Lung 36. Thyroid with para thyroid 37. Pituitary gland 38. Adrenal gland 39. Kidney 40. Ureter 41. Ovary 42. Uterus 43. Vas deferens 44. Thin skin 45. Thick skin 46. Cornea 47. Retina 48. Spinal cord 49. Cerebrum 50. Cerebellum 51. Placenta 52. Umbilical cord 53. Mammary gland 		

Item Description		Compliance (Yes / No)	Reference Page No.
	54. Lymph node 55. Muscle spindle 56. Finger nail section 57. Nerve bundle 58. Cervix 59. Penis c.s 60. Fallopian tube sec.		
C	Illustrative display charts/ posters		
	1. Anatomy and physiology of Systems of body (respectively) – Circulatory, digestive, nervous, cardiovascular, respiratory, integumentary, reproductive, Genito urinary, musculoskeletal and special senses. 2. Human body – colour atlas with parts labelled 3. Musculoskeletal system – full and region specific (parts labelled) 4. Organs of Human body (respectively) 5. Central and peripheral nervous system – Brain and spine. 6. Informative posters on various pathological/disease conditions 7. Pharmacology – Drug action in body 8. Metabolism process 9. Cell and Tissue level information 10. Microbiology posters.		
D	Warranty – Three years		
E	Demonstration and Training Required		
F	Delivery:- One month or earlier from the date of PO		

**Reference page number is mandatory and should be mentioned in the technical compliance*

Place:

Date:

**Signature of the bidder
Name & Address of the
Bidder with Office Stamp**

PROFORMA FOR FINANCIAL BID (BOQ)

**Supply of Two Sets of “Visuvalization charts / models defining the body functions”
Tender No IITM/MST/2023-24/001/VISUVALIZATIONCHARTS**

Sl.No.	Detailed Description as per Annexure-B	Unit	Qty	Rate Per Unit	Total Cost (without GST)	GST (in %)	Total Cost (with GST)
1.	Supply “Visuvalization charts / models defining the body functions” as per technical specification in Annexure-A	Sets	TWO				
Total Cost inclusive of all*							

NOTE:

* The rate should be inclusive of Transporting, Loading and Unloading.

Place:**Date:**

**Signature of the bidder
Name & Address of the
Bidder with Office Stamp**

(To be given on the letter head of the bidder)

Tender No. IITM/MST/2023-24/001/VISUVALIZATIONCHARTS

Dated: _____

CERTIFICATE

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I am not from such a country.

(OR)

(Bidders from Country which shares a land border with India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I am from _____ (Name of Country) and have registered with the Competent Authority. I also certify that I fulfil all the requirements in this regard and am eligible to be considered. *(Copy/ evidence of valid registration by the Competent Authority is to be attached)*

Place:

Date:

**Signature of the bidder
Name & Address of the
Bidder with Office Stamp**

FORMAT FOR AFFIDAVIT OF SELF-CERTIFICATION UNDER PREFERENCE TO MAKE IN INDIA – PER ITEM

Tender Reference Number: Tender No IITM/MST/2023-24/001/VISUVALIZATIONCHARTS

Name of the item / Service: Supply of Two Sets of “Visuvalization charts / models defining the body functions”

Date: _____

I/We _____ S/o, D/o, W/o, _____ Resident of _____

hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Policy vide Gol Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt. 16th September 2020 & P- 45021/102/2019-BE-II-Part(1) (E-50310) Dt. 4th March 2021 and any subsequent modifications/Amendments, if any and

That the local content for all inputs which constitute the said item/service/work has been verified by me and I am responsible for the correctness of the claims made therein.

Tick (✓) and Fill the Appropriate Category	
<input type="checkbox"/>	I/We _____ [name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to or more than 50% and come under “ Class-I Local Supplier ” category.
<input type="checkbox"/>	I/We _____ [name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to 20% but less than 50% and come under “ Class-II Local Supplier ” category.

The details of the location (s) at which the local value addition is made and the proportionate value of local content in percentage

Percentage of Local content : _____ % **
 Location at which value addition done : _____

For and on behalf of _____ (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)
 <Insert Name, Designation and Contact No.>

[Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.]

This letter should be on the letterhead of the quoting firm and should be signed by a competent authority.

** Services such as transportation, insurance, installation, commissioning and training and after sales service support like AMC/CMC cannot be claimed as local value addition.

(To be given on the letter head of the bidder)

Self-Declaration that the Service Provider has not been Black listed

I

 S/o R/o
 police station District
 Director / partner / sole proprietor (Strike out whichever
 is not applicable) of
 (Firm or Company) do hereby
 declare and solemnly affirm:

- I. That the Firm has not been Blacklisted or declared insolvent by any of the Union or State Government / Organization.
- II. That none of the individual / firm / Company Blacklisted or any partners or shareholder thereof has any connection directly or indirectly with or has any subsistence interest in the deponent business / firm company.
- III. That neither the Firm nor any of its partner has been involved / convicted in any criminal case / economic offence nor any criminal case / economic offence is pending against firm or any partner of the Firm before any Court of Law / Police.

**Place:
 bidder
 Date:
 of the
 Stamp**

**Signature of the
 Name & Address
 Bidder with Office**

OEM CERTIFICATION FORM
(in Original Letter Head of OEM)

Tender No: Dated:

We are Original Equipment Manufacturers (OEM) of..... (Name of the company) Ms..... (Name of the vendor) is one of our Distributors / Dealers / Resellers / Partners (tick one) for the and is participating in the above mentioned tender by offering our product model..... (Name of the product with model number).

..... is authorized to bid, sell and provide service support warranty for our product as mentioned above.

Name and Signature of the authorized Signatory of OEM along with seal of the company and Date

TENDER CHECKLIST

Mandatory to be filled and sent (inside the Technical Bid Cover) along with Bidding Document.

Tender No: Dated:

1.	I have registered as a Vendor. (Proof to be enclosed)	<input type="checkbox"/>
2.	Technical bid cover duly sealed and marked as "TECHNICAL BID" (Proforma as per Annexure – B)	<input type="checkbox"/>
3.	Financial Bid cover duly sealed and marked as FINANCIAL BID (Proforma as per Annexure – C)	<input type="checkbox"/>
4.	Land Border (as a part of technical bid) (Proforma as per Annexure – D)	<input type="checkbox"/>
5.	Certification of Class I / Class II Local supplier to be submitted (as a Part of technical bid) per item / service / work (proforma as per Annexure – E)	<input type="checkbox"/>
6.	Self Declaration for not been blacklisted (proforma as per Annexure – F)	<input type="checkbox"/>
7.	Authorized agent certificate from OEM is mandatory if Indian agent/Indian office of OEM is participating in this tender on behalf of OEM. (proforma as per Annexure – G)	<input type="checkbox"/>
8.	Supporting documents like catalogue, PO copies, GST, PAN, MSME, etc.	<input type="checkbox"/>

The above documents should be provided for a contractor's bid to be valid. Bidders are asked to supply and tick off the required information. Failure to provide any of the stated documents may result in the bid being considered non-compliant and rejected.

Signature of the Bidder

MODEL IMAGE:

