

	<p style="text-align: center;">भारतीय प्रौद्योगिकी संस्थान मद्रास चेन्नै 600 036 INDIAN INSTITUTE OF TECHNOLOGY MADRAS Chennai 600 036 भंडार एवं क्रय अनुभाग / STORES & PURCHASE SECTION Email: adstores@iitm.ac.in दूरभाष: (044) 2257 8285 / 8287 / 8288 / 8290 फ़ैक्स: (044) 2257 8082 Telephone : (044) 2257 8285/8287/8288/8290 FAX: (044) 2257 8082 GSTIN: 33AAAAI3615G1Z6</p>	
P.K. SHEBA SABARI Assistant Registrar (Stores & Purchase)		Date: 03.06.2024

Tender No. IITM/SPS/Structured Network Cabling/002/2024-25/SPL

Due Date: 24.06.2024
Before 2.00 p.m.

Dear Sir,

On behalf of the Indian Institute of Technology Madras, Tenders are invited in two bid system, namely technical and financial bids for:

SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS ON RATE CONTRACT BASIS

conforming to the specifications enclosed.

Tender Documents may be downloaded from Central Public Procurement Portal <https://etenders.gov.in/e procure/app>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <https://etenders.gov.in/e procure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at “**Help for contractors**”. [Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this eProcurement Portal”].

Bidders can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type ‘IIT’. Thereafter, Click on “GO” button to view all IIT Madras tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <https://etenders.gov.in/e procure/app> as per the schedule attached.

No manual bids will be accepted. All tender documents including Technical and Financial bids should be submitted in the e-procurement portal.

LAST DATE for receipt of Tender	: 24.06.2024 before 02.00 p.m.
Pre-bid meeting	<p>The Pre-bid Meeting will be conducted via Google Meet on 06.06.2024 @ 11 a .m. Please see the below link to join the meeting https://meet.google.com/frw-denp-diz</p> <p>Prospective bidders are requested to register their participation by sending an email to adstores@iitm.ac.in, with name/designation of the representative who will attend the meeting along with queries on or before 05.06.2024</p>
Date & Time of opening of Tender	: 25.06.2024 @ 3.00 p.m.
GUIDELINES FOR TENDER SUBMISSION IN CENTRAL PUBLIC PROCUREMENT PORTAL (E-PROCUREMENT MODE)	
A Submission of Tender	: As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal URL: https://etenders.gov.in/e procure/app

		<p>The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal</p> <p>More information useful for submitting online bids on the CPP Portal may be obtained at: https://etenders.gov.in/eprocure/app</p> <p>All tender documents including Technical Bid & Financial Bid should be submitted separately in online CPP portal as per the specified format only. Right is reserved to ignore any tender which fails to comply with the above instructions. No manual bid submission will be entertained.</p>
--	--	---

B	Instructions for online bid submission	<p>REGISTRATION</p> <ul style="list-style-type: none"> • Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal URL: https://etenders.gov.in/eprocure/app by clicking on “Online Bidder Enrolment”. Enrolment on the CPP Portal is free of charge. • As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts. • Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal. • Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.) https://eprocure.gov.in/eprocure/app with their profile. • Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse. • Bidder then may log in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.
C	Searching for tender documents	<ul style="list-style-type: none"> • There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal. • Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective “My Tender” folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document. • The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.
D	Preparation of bids	<ul style="list-style-type: none"> • Bidder should take into account any corrigendum published on the tender document before submitting their bids. • Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content

		<p>of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.</p> <ul style="list-style-type: none"> • Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender document / schedule and generally shall be in PDF / XLS formats as the case may be. Bid documents may be scanned with 100 dpi with black and white option. • To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GSTIN Details, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Documents” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.
E	Submission of bids	<ul style="list-style-type: none"> • Bidder should log into the site well in advance for bid submission so that he/she can upload the bid in time i.e. on or before the bid submission date and time. Bidder will be responsible for any delay due to other issues. • The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document. • A standard BOQ format has been provided in Annexure-C with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BOQ file, open it and complete the detail with their respective financial quotes and other details (such as name of the bidder). If the BOQ file is found to be modified by the bidder, the bid will be rejected. • The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission. • The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues. • The uploaded tender documents become readable only after the tender opening by the authorized bid openers. • Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details. • Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.
F	Assistance to bidders	<ul style="list-style-type: none"> • Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. • Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is [0120-4200462, 0120-4001002, 0120-4001005]
G	General Instructions to the Bidders	<ul style="list-style-type: none"> • The tenders will be received online through portal https://etenders.gov.in/eprocure/app. In the Technical Bids, the bidders are required to upload all the documents in single pdf file. • Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through https://etenders.gov.in/eprocure/app

		<ul style="list-style-type: none"> Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site https://etenders.gov.in/eprocure/app under the "Information about DSC".
H	Earnest Money Deposit (EMD)	<ol style="list-style-type: none"> EMD of INR 30,000/- should be transferred through NEFT/RTGS to the following bank account on or before due date 24.06.2024 before 2:00 p.m. <ol style="list-style-type: none"> Name : Registrar IIT Madras Bank : State Bank of India Account No. : 10620824305 Branch : IIT MADRAS IFSC CODE : SBIN0001055 As per O.M. No.F.1/2/2022-PPD dated 01.04.2022, the EMD will be returned to the unsuccessful Bidder(s) within 30days after declaration of result of first stage i.e. technical evaluation etc. The EMD shall be forfeited if any Bidder withdraws the offer before finalization of the tender. The EMD amount should not be sent through DD. Non-submission of EMD details on or before the due date and time will result in rejection of the e-bid. As per Rule 170 of GFR 2017, exemption of EMD will be given subject to submission of undertaking by the firm seeking such exemption. Copies of relevant orders/ documents regarding such exemption should be submitted along with the tender document. The successful bidder should submit a Performance Guarantee of INR 30,000/- by way of DD/Bank Guarantee (including e bank guarantee) / FDR/Insurance surety bonds in favour of "The Registrar, IIT Madras" to be obtained from any commercial bank within 14 (Fourteen) days from the date of issue of Order by IIT Madras, which shall be released 60 days after the successful completion of the warranty period after adjustment dues, if any without any interest. In case of successful bidder, the EMD will be adjusted towards the Performance Security Deposit on request, subject to validity. The amount of EMD is liable to be forfeited, if the bidder withdraws from the offer after submission of the tender or after the acceptance of the offer and fails to remit the Performance Security Deposit.
I	Marking on Technical Bid	<ol style="list-style-type: none"> The bidder eligibility criteria (Eligibility Criteria 1 & II), technical specification of the item for this tender is given in Annexure A. The Bidders shall go through the bidder eligibility criteria, technical specification and submit the technical bid in the proforma given in Annexure B in the tender document along with the supporting documents. The Technical bid should be submitted in pdf format only through online (e-tender). No manual submission of bid will be entertained. The technical bid should have the page-wise heading as "Technical Bid" and page no. in all pages with seal and signature of authorized signatory. The total no. of pages should be mentioned at the last page of the documents. The technical bid should consist of <ol style="list-style-type: none"> Document proof for EMD payment Technical Compliance sheet as per proforma given in Annexure -B Document proof for bidder eligibility criteria, technical details along with catalogue / brochure and other technical, commercial terms and conditions.
J	Marking on Financial Bid	<p>Financial bid (BOQ) should be submitted in the prescribed format given in Annexure- C in xls format through e-tender only. No manual or other form of submission of Financial Bid will be entertained.</p>

TERMS AND CONDITIONS OF TENDER

1.	<p>Preparation of Tender:</p> <ul style="list-style-type: none"> • The bids should be submitted through online only in two bid system i.e. Technical Bid and Financial Bid separately. • 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. • The bids of the agency/firm/company not in possession of valid statutory license / registrations are liable for rejection. • 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. • No bidder will be allowed to withdraw / alter / modify the bid during the bid validity period.
2.	<p>Signing of Tender:</p> <ul style="list-style-type: none"> • 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.
3.	<p>Period for which the offer will remain open: 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.</p>
4.	<p>Prices:</p> <ul style="list-style-type: none"> • The prices quoted should be considering all scope of work, terms & conditions and as per the technical specification mentioned in Annexure A. The prices quoted by the bidders should be exclusive of GST and other statutory levies. • All conditional tenders will be summarily rejected. • .
5.	<p>No Advance Payment will be made for Indigenous purchase. Payment will be made only after supply and satisfactory installation and also technical clearance form Computer Centre, IITM. The vendor must supply soft copy & Hardcopy of wiring diagram after completion of the work.</p>
6.	<p>Terms and Conditions: Failure to comply with any of the instructions stated in this document or offering unsatisfactory explanations for non-compliance will lead to rejection of offers.</p>
7.	<p>Delivery: Supply has to be done in IIT Madras Campus. Items should be delivered within 3 to 4 weeks from the date of Purchase Order. Please indicate the actual delivery period clearly. No further extension of time will be allowed. Non delivery of items will lead to cancellation of Purchase Order without any notice. In addition, action may be taken for removing them from our mailing list.</p>
8.	<p>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.</p>
9.	<p>Communication of Acceptance: Letter of Intimation and acceptance will be communicated by post /email to the successful bidder to the address indicated in the bid.</p>

10.	<p>Duration of the contract: Initially, the contract will be awarded for Two years. The period may be further extended annually up to a maximum of another three years on annual basis depending on the satisfactory performance subject to mutual agreement of the bidder and IIT Madras.</p>
11.	<p>All information including selection and rejection of technical or financial bids of the prospective bidders will be communicated through CPP portal. In terms of Rule 173 (iv) of General Financial Rule 2017, the bidder shall be at liberty to question the bidding conditions, bidding process and/or rejection of bids.</p>
12.	<p>Conditions of contract: Bidder should quote on the basis of the conditions referred to in the invitation to tender and tender documents.</p>
13.	<p>Bidder shall submit along with this Tender: Name and full address of the Banker & their swift code, PAN No. and GSTIN number.</p>
14.	<p>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.</p>
15.	<p>Breach of Terms and Conditions: IITM may, without prejudice to any other remedy for breach of contract by written notice of default sent to the bidder, terminate the contract in whole or part:</p> <ol style="list-style-type: none"> a) If the bidder fails to provide any or all of the services within the period(s) specified in the contract. b) If the bidder fails to perform any other obligation(s) under the contract. c) If the bidder has engaged corrupt or fraudulent or unethical practices in competing for or in executing the contract.
16.	<p>Right of IIT Madras</p> <ol style="list-style-type: none"> a) 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. b) 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. c) The Registrar, IIT Madras reserves the right to terminate the contract at any time without assigning any reasons by giving one month notice to the contracting agency/firm/company. d) The Registrar, IIT Madras reserves the right to award the contract either to one or more than one contractors. Empanelment of more than one contractor will be done only if the technically qualified contractor agrees to match the L-1 rate.
17.	<p>Penalty & Liquidated Damages / Force Majeure:</p> <ul style="list-style-type: none"> • 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.
18.	<p>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.</p>
19.	<p>The bidder shall study the scope of work and the Technical Bid in detail as given in Annexure A before submitting the bid.</p>

20.	<p>PRE-QUALIFICATION CRITERIA:</p> <p>Eligibility Criteria I:</p> <ol style="list-style-type: none"> 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 shall be submitted with the bid as per format given in Annexure – D. 2) Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-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. <p>Eligibility Criteria II:</p> <ol style="list-style-type: none"> 1) Neither the tender participating firm nor any of its partner has been 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 bidder should be an 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's firm should have registration with GST and PAN. (Necessary document proof should be submitted). 4) Vendor should be able to supply and install all the items uniformly by themselves. The bidders should have 5 years of experience in business (Attach PO copies). 5) The Bidder should produce documentary evidence for Certified Cable Installer from OEM. (Valid certificate to be attached). 6) Vendor should produce evidence (PO Copies) of having professional experience in the implementation of reasonably large Local Area Network (more than 10,000 nodes) in atleast 2 Educational Institutions for the past 2 financial years (2021-22, 2022-23). 7) Vendor should have local office in Chennai with experts / specialists for providing support in time and to handle all types of issues. (such as valid rental agreement/GST Certificate/ Certificate of incorporation etc). 8) Annual turnover should be at least Rs.8 lakhs for the past three financial years i.e. 2020-21, 2021-22 and 2022-23 (Financial statements / certificates issued by Chartered Accountant should be submitted as proof).
21.	<p>Number of Bids and their Submission: Bids should be submitted CPP portal. Two bid system should be followed as detailed below:</p> <p>Bid I Technical Bid The technical bid should consist of Pre-qualification Criteria (Eligibility Criteria I & Eligibility Criteria II) and technical specification compliance sheet (proforma given in Annexure-B) along with all relevant document proof only. The bidder should go through the scope of work and the technical specification given in Annexure-A of the tender document, understand the requirement of IITM and submit their technical bid along with all relevant document proof in the proforma given in Annexure–B. Any tender documents without these shall be invalid and rejected.</p> <p>Bid II Financial Bid The financial bid should be submitted as per the proforma given in Annexure C. The bidder has to quote for each line item compulsorily and inclusive of all cost at IIT Madras.</p>

22.	<p>Evaluation of Bids:</p> <p>Bid Evaluation will take place in two stages.</p> <p>Stage I: Technical Bid evaluation</p> <ol style="list-style-type: none"> 1. In the Stage I Bidder will be evaluated first for conformity with Pre-qualification Criteria (Eligibility criteria I, Eligibility Criteria II) and those bidders who have complied with pre-qualification criteria will alone be evaluated further for technical specifications. 2. In the 2nd stage, the details of 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 and technical specification will be considered for opening of financial bid. <p>Stage II: Financial Bid Evaluation and Award of tender</p> <p>The two lowest (L1 & L2) bidders amongst those qualified in the technical bid will be short listed as selected vendor. The lowest rate quoted for each line item by all the technically qualified bidder will be taken up as a benchmark rate and cross offering of lowest rate will be done to the two selected bidders (L1/L2). The selected bidder(s) who matches the L1 rate for all line item will be awarded with the contract.</p> <p>IIT Madras reserves the right to award the contract either to one or more than one contractors. Empanelment of more than one contractor will be done only if the technically qualified contractor/operator agrees to match the L-1 rate.</p>
23.	<p>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 and other subsequent orders issued therein.</p>
24.	<p>The bidders will not be entertained to participate in opening of Bids. Since the tender is e-tender, the opening of the bids may be checked using the respective logins of the bidders.</p>
25.	<p>The pre-bid meetings will be conducted through online. Bidders can submit their queries and doubts to the email id: adstores@iitm.ac.in till the date of the online pre-bid meeting (as per Tender Schedule) clarification to the queries and doubts raised by the bidders will be issued as a corrigendum/addendum in the e-tenders portal and Institute Website (tenders.iitm.ac.in). For the bidders, submitting bids on downloaded tender document, it is 'bidders' responsibility to check for any amendment/corrigendum on the website of IIT Madras or check for the same CPP Portal before submitting their duly completed bids. After the pre-bid meeting, queries/clarification if any will not be considered.</p>
26.	<p>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 responsibility 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</p>

Sd/-
Assistant Registrar
(Stores & Purchase Section)

ACKNOWLEDGEMENT

It is hereby acknowledged that I/We have gone through all the points listed under “**Specification, Guidelines, Terms and Conditions**” of tender document. the same is abided and agreed to be executed. In case, if any of the information furnished by me/us is found false, I/We are fully aware that the tender /contract will be rejected / cancelled by IIT Madras and EMD shall be forfeited.

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

SCHEDULE OF TENDER

SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS ON RATE CONTRACT BASIS

Tender No. IITM/SPS/Structured Network Cabling/002/2024-25/SPL

Name of Organization	Indian Institute of Technology Madras
Tender Type (Open/Limited/EOI/Auction/Single)	OPEN
Tender Category (Services/Goods/works)	Goods/Services
Type/Form of Contract (Work/Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Empanelment /Supply/Services
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS ON RATE CONTRACT BASIS
Source of Fund (Institute/Project)	IIT Madras
Is Multi Currency Allowed	No
Date of Issue/Publishing	03.06.2024
Document Download Start Date	03.06.2024
Document Download End Date	24.06.2024
Prebid Meeting via Google Meet	06.06.2024 @ 11am
Bid Submission Start Date	14.06.2024
Bid Submission End Date	24.06.2024
Last Date and Time for Uploading of Bids	24.06.2024 @ 2pm
Date and Time of Opening of Technical Bid	25.06.2024 @ 3.30pm
No. of Covers (1/2/3/4)	2
Bid Validity days (180/120/90/60/30)	120 Days
Address for Communication	<p><u>For General Queries</u> The Assistant Registrar Stores & Purchase Section IIT Madras Chennai – 600 036 044-22578287</p> <p><u>For Technical Related Queries:</u> Mr. V. Selvaraju, B.E., M.E., Senior Technical Officer Systems Computer Centre IIT Madras, Chennai - 600 036. Phone No: 044- 2257 4988 E-mail id : selva@iitm.ac.in</p>

**Tender No. IITM/SPS/Structured Network Cabling/002/2024-25/SPL
SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS ON RATE CONTRACT BASIS**

BIDDER ELIGIBILITY CRITERIA - I

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 shall be submitted with the bid as per format given in **Annexure – D**.
2. Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-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**.

BIDDER ELIGIBILITY CRITERIA - II

1. Neither the tender participating firm nor any of its partner has been 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 bidder should be an 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's firm should have registration with GST and PAN. (Necessary document proof should be submitted).
4. Vendor should be able to supply and install all the items uniformly by themselves. The bidders should have 5 years of experience in business (Attach PO copies).
5. Vendor should produce documentary evidence for **Certified Cable Installer from OEM**. (Valid certificate to be attached).
6. Vendor should produce evidence (PO Copies) of at least 2 Educational Institutions for the past 2 financial years for (2021-22, 2022-23) having professional experience in the implementation of reasonably large Local Area Network (more than 10,000 nodes).
7. Vendor should have local office in Chennai with experts / specialists for providing support in time and to handle all types of issues. (such as valid rental agreement/GST Certificate/ Certificate of incorporation etc).
8. Annual turnover should be at least Rs.8 lakhs for the past three financial years i.e. 2020-21, 2021-22 and 2022-23 (Financial statements / certificates issued by Chartered Accountant should be submitted as proof).

SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS ON RATE CONTRACT BASIS
Tender No. IITM/SPS/Structured Network Cabling/002/2024-25/SPL

TECHNICAL SPECIFICATIONS OF STRUCTURED NETWORK CABLING

Sl.No.	Technical Specification
1.	UTP & Fiber materials should conform to technical standards. Specified brands are Molex, Commscope (Systemax only), Siemens or equivalent ISI certified brands. The brand name should be specified in the quote.
2.	End-to-End UTP & Fiber accessories (Jackpanel, Cable, I/O, Patch cord, LIU, etc.) should be of same brand, any one from Sl. No. 1 above. The brand name should be specified in the quote. The proposed product data sheets should be available on the OEM's public website. Manufacturer authorization form from OEM should be submitted for the UTP & Fiber Components. The UTP & Fiber Cables should have minimum 25 years of extended product warranty.
3.	The entire cabling system and components should be tested, approved and certified by recognized parties such as ISO/IEC, EIA/TIA, ETL, CSA, UL. Provide documentary proof for the same.
4.	RJ45 Connector should be from Sl. No. 1 above. The brand name should be specified in the quote.
5.	PVC Products should be from Modi / TATA brand or equivalent ISI certified brands. The brand name should be specified in the quote.
6.	Rack should be from VALRACK / Rittal / Netrack / Schneider brands or equivalent ISI certified brands. The brand name should be specified in the quote.
7.	Termination no. tags should be fixed on both ends.
8.	The vendor must supply soft copy & Hardcopy of wiring diagram after completion of the work.
DESCRIPTION	
Eligibility Criteria:	
OEM should manufacture all Cat 6 UTP Materials & Cat 6A Shielded Materials listed from S.No. 1 to 28 under UTP Materials.	
I	UTP Materials – CAT-6
1	Cat6 Cable (4 Pair, 23 AWG Solid Bare copper Cable U/UTP LSZH 332.1, Printed Meter Marking)
2	Cat6 I/O with Dust Cover to cover RJ45 Interface
3	1 Port Modular Surface Box – Unloaded.
4	2 Port Modular Surface Box – Unloaded.
5	Synergy Wall Plate 1 Port - 86mmx86mm- White with back box
6	Synergy Wall Plate 2 Port - 86mmx86mm- White with back box
7	CAT-6 24 Port Straight Jack Panel with Rear Metal Cable Manager, 1U loaded, transparent clear Label cover
8	CAT-6 24 Port Angled Jack Panel with Rear Metal Cable Manager, 1U loaded, transparent clear Label cover
9	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 10 Mtrs
10	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 5 Mtrs
11	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 3 Mtrs
12	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 2 Mtrs
13	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 1 Mtr
14	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 0.5 Mtr
15	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 0.25 Mtr

16	Cat6 SF/UTP (4 pair 23 AWG Solid Copper with LSZH 332.1, Printed Meter Marking) Cable.
17	CAT-6 Outdoor UV resistant LSZH inner Jacket cable
18	CAT6 UTP Outdoor Armoured - ANSI/TIA/EIA 568C.2 ISO/IEC 11801 IEC 61156-5
Shielded Materials – CAT-6A	
19	Cat 6A U/FTP CM 4 Pair Cable, LSZH Sheath.
20	DG+ Shielded Jack (Diecast)Cat6A 568A/B Supply & Crimping
21	24 Port Cat 6A Shielded (Diecast Jacks) Straight Patch Panel, 1U loaded.
22	24 Port Cat 6A Shielded (Diecast Jacks) Angled Patch Panel, 1U loaded.
23	Cat 6A Shielded Patch Cord LSZH 1mtr
24	Cat 6A Shielded Patch Cord LSZH 2mtrs
25	Cat 6A Shielded Patch Cord LSZH, 3mtrs
26	Cat 6A Shielded Patch Cord LSZH, 5mtrs
27	Cat 6A Shielded Patch Cord LSZH, 10mtrs
28	RJ45 Shielded Connector(Cat-6A) Supply and Crimping
Eligibility Criteria: OEM should manufacture all the Fiber and GPON Materials listed from S.No. 1 to 33 under Fiber and GPON Materials.	
II	Fiber Materials
1	2 Core Indoor / Outdoor LSZH Sprial-tube, G.657A1 armoured 9/125 micron Singlemode (OS2), Unitube construction / Multiple Loose Tube .
2	2 Core Fiber all Dielectric 250 micron FTTH Flat Drop cable G.657A1
3	6 Core outdoor armoured 9/125 micron Singlemode (OS2) Multiple Loose Tube, Corrugated Steel Tape Armour thickness > 0.15mm, two steel Gi wire for strength.
4	12 Core outdoor armoured 9/125 micron Singlemode (OS2) Multiple Loose Tube, Corrugated Steel Tape Armour thickness > 0.15mm, two steel Gi wire for strength.
5	24 Core outdoor armoured 9/125 micron Singlemode(OS2), Multiple Loose Tube, Corrugated Steel Tape Armour thickness > 0.15mm, FRP Rod for strength.
6	48 Core outdoor armoured 9/125 micron Singlemode(OS2), Multiple Loose Tube, Corrugated Steel Tape Armour thickness > 0.15mm, FRP Rod for strength.
7	6 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.
8	12 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.
9	24 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.
10	48 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.
11	SC - SC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs
12	SC - LC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs
13	LC – LC Single mode OFC Patch cord, 9/125 Micron – 3 Mtrs.
14	SC - SC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr
15	SC - LC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr
16	LC – LC Single mode OFC Patch cord, 9/125 Micron – 1 Mtr.
17	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs
18	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr
19	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 0.5 Mtr
20	USO SC Duplex Adapter SM

21	USO SC APC Simplex Adapter SM
22	SC Pigtail SMF LSZH 1.5 mtrs.
23	SC APC Pigtail SMF LSZH 1 mtrs
24	2 Port Fiber wall outlet with SC Simplex coupler, SC/APC Pigtail with Accessories
25	12 Port LIU Wall Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.
26	12 Port LIU Rack Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.
27	24 Port LIU Rack Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.
III	GPON Materials
28	1:2 splitter SMF SC/APC LSZH 900 micro meter Simplex
29	1:4 splitter SMF SC/APC LSZH 900 micro meter Simplex
30	1:8 splitter SMF SC/APC LSZH 900 micro meter Simplex
31	Splitter Box 1 X 8 SC GRN APC SM Low Loss
32	Adapter Plate Multimedia Wallmount Enclosure
33	Wallmount Fiber Enclosure with 1:8 Splitter Box, Pigtail and Splice Tray
IV	Enclosure:
1	48 Fiber Dome Outdoor Fiber Optic Splice Enclosure, IP 68 Compliant, 48 Splice Protector with Stainless Steel Pole mounted accessories
V	Implementation materials
1	RJ45 Connector(Cat6) Supply and Crimping
2	PVC Channel – 1”
3	PVC Pipe – 1”
4	PVC Channel – 1.5”
5	PVC Pipe – 1.5”
6	PVC Channel – 2”
7	PVC Pipe – 2”
8	HDPE Pipe – 1”
9	HDPE Pipe – 1.5”
10	HDPE Pipe – 2”
11	MK PVC Channel 50/50
12	MK PVC Channel 100/40
13	4U Rack + 2 Fan + 1 Cable Manager +1 Power Strip
14	6U Rack + 2 Fan + 1 Cable Manager +1 Power Strip
15	9U Rack + 2 Fan + 1 Cable Manager +1 Power Strip
16	12U Rack + 2 Fan + 1 Cable Manager +1 Power Strip
17	15U Rack + 2 Fan + 1 Cable Manager +1 Power Strip
VI	Excavation of Cable Trench 3 feet’s depth, Brick & soft soil refilling
VII	SC Splicing

PROFORMA FOR TECHNICAL COMPLIANCE SHEET

EMPANELMENT OF VENDORS FOR SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS

Tender No. IITM/SPS/Structured Network Cabling/002/2024-25/SPL

1. PRE-QUALIFICATION CRITERIA

S. No.	Eligibility Criteria	Compliance (Yes / No)	Reference Page No.
Eligibility Criteria - I			
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 shall be submitted with the bid as per format given in Annexure – D .		
2	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16 th 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 .		
Eligibility Criteria - II			
1.	Neither the tender participating firm nor any of its partner has been 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 bidder should be an 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's firm should have registration with GST and PAN. (Necessary document proof should be submitted).		
4.	Vendor should be able to supply and install all the items uniformly by themselves. The bidders should have 5 years of experience in business (Attach PO copies).		
5.	Vendor should produce documentary evidence for Certified Cable Installer from OEM . (Valid certificate to be attached)		
6.	Vendor should produce evidence (PO Copies) of atleast 2 institutions for the past 2 financial years for (2021-22, 2022-23) having professional experience in the implementation of reasonably large Local Area Network (more than 10,000 nodes).		
7.	Vendor should have local office in Chennai with experts / specialists for providing support in time and to handle all types of issues. (such as valid rental agreement/GST Certificate/ Certificate of incorporation etc).		
8.	Annual turnover should be at least Rs.8 lakhs for the past three financial years i.e. 2020-21, 2021-22 and 2022-23 (Financial statements / certificates issued by Chartered Accountant should be submitted as proof).		

2. TECHNICAL REQUIREMENT

Sl. No.	Technical Requirement	Brand	Compliance (Yes / No)	Reference Page No.
1	UTP & Fiber materials should conform to technical standards. Specified brands are Molex, Commscope (Systimax only), Siemens or equivalent ISI certified brands. The brand name should be specified in the quote.			
2	End-to-End UTP & Fiber accessories (Jackpanel, Cable, I/O, Patch cord, LIU, etc.) should be of same brand, any one from Sl. No. 1 above. The brand name should be specified in the quote. The proposed product data sheets should be available on the OEM's public website. Manufacturer authorization form from OEM should be submitted for the UTP & Fiber Components. The UTP & Fiber Cables should have minimum 25 years of extended product warranty.			
3	The entire cabling system and components should be tested, approved and certified by recognized parties such as ISO/IEC, EIA/TIA, ETL, CSA, UL. Provide documentary proof for the same.			
4	RJ45 Connector should be from Sl. No. 1 above. The brand name should be specified in the quote.			
5	PVC Products should be from Modi / TATA brand or equivalent ISI certified brands. The brand name should be specified in the quote.			
6	Rack should be from VALRACK / Rittal / Netrack / Schneider brands or equivalent ISI certified brands. The brand name should be specified in the quote.			
7	Termination no. tags should be fixed on both ends.			
8	The vendor must supply soft copy & Hardcopy of wiring diagram after completion of the work.			

3. TECHNICAL SPECIFICATION

Sl. No.	Technical Requirement	Brand	Compliance (Yes / No)	Reference Page No.
	Eligibility Criteria: OEM should manufacture all Cat 6 UTP Materials & Cat 6A Shielded Materials listed from S.No. 1 to 28 under UTP Materials.			
I	UTP Materials – CAT-6			
1	Cat6 Cable (4 Pair, 23 AWG Solid Bare copper Cable U/UTP LSZH 332.1, Printed Meter Marking)			
2	Cat6 I/O with Dust Cover to cover RJ45 Interface			
3	1 Port Modular Surface Box – Unloaded.			
4	2 Port Modular Surface Box – Unloaded.			
5	Synergy Wall Plate 1 Port - 86mmx86mm- White with back box			
6	Synergy Wall Plate 2 Port - 86mmx86mm- White with back box			
7	CAT-6 24 Port Straight Jack Panel with Rear Metal Cable Manager, 1U loaded, transparent clear Label cover			

Sl. No.	Technical Requirement	Brand	Compliance (Yes / No)	Reference Page No.
8	CAT-6 24 Port Angled Jack Panel with Rear Metal Cable Manager, 1U loaded, transparent clear Label cover			
9	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 10 Mtrs			
10	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 5 Mtrs			
11	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 3 Mtrs			
12	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 2 Mtrs			
13	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 1 Mtr			
14	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 0.5 Mtr			
15	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 0.25 Mtr			
16	Cat6 SF/UTP (4 pair 23 AWG Solid Copper with LSZH 332.1, Printed Meter Marking) Cable.			
17	CAT-6 Outdoor UV resistant LSZH inner Jacket cable			
18	CAT6 UTP Outdoor Armoured - ANSI/TIA/EIA 568C.2 ISO/IEC 11801 IEC 61156-5			
Shielded Materials – CAT-6A				
19	Cat 6A U/FTP CM 4 Pair Cable, LSZH Sheath.			
20	DG+ Shielded Jack (Diecast)Cat6A 568A/B Supply & Crimping			
21	24 Port Cat 6A Shielded (Diecast Jacks) Straight Patch Panel, 1U loaded.			
22	24 Port Cat 6A Shielded (Diecast Jacks) Angled Patch Panel, 1U loaded.			
23	Cat 6A Shielded Patch Cord LSZH 1mtr			
24	Cat 6A Shielded Patch Cord LSZH 2mtrs			
25	Cat 6A Shielded Patch Cord LSZH, 3mtrs			
26	Cat 6A Shielded Patch Cord LSZH, 5mtrs			
27	Cat 6A Shielded Patch Cord LSZH, 10mtrs			
28	RJ45 Shielded Connector(Cat-6A) Supply and Crimping			
Eligibility Criteria: OEM should manufacture all the Fiber and GPON Materials listed from S.No. 1 to 33 under Fiber and GPON Materials.				
II Fiber Materials				
1	2 Core Indoor / Outdoor LSZH Sprial-tube, G.657A1 armoured 9/125 micron Singlemode (OS2), Unitube construction / Multiple Loose Tube .			
2	2 Core Fiber all Dielectric 250 micron FTTH Flat Drop cable G.657A1			

Sl. No.	Technical Requirement	Brand	Compliance (Yes / No)	Reference Page No.
3	6 Core outdoor armoured 9/125 micron Singlemode (OS2) Multiple Loose Tube, Corrugated Steel Tape Armour thickness > 0.15mm, two steel Gi wire for strength.			
4	12 Core outdoor armoured 9/125 micron Singlemode (OS2) Multiple Loose Tube, Corrugated Steel Tape Armour thickness > 0.15mm, two steel Gi wire for strength.			
5	24 Core outdoor armoured 9/125 micron Singlemode(OS2), Multiple Loose Tube, Corrugated Steel Tape Armour thickness > 0.15mm, FRP Rod for strength.			
6	48 Core outdoor armoured 9/125 micron Singlemode(OS2), Multiple Loose Tube, Corrugated Steel Tape Armour thickness > 0.15mm, FRP Rod for strength.			
7	6 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.			
8	12 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.			
9	24 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.			
10	48 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.			
11	SC - SC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs			
12	SC - LC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs			
13	LC – LC Single mode OFC Patch cord, 9/125 Micron – 3 Mtrs.			
14	SC - SC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr			
15	SC - LC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr			
16	LC – LC Single mode OFC Patch cord, 9/125 Micron – 1 Mtr.			
17	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs			
18	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr			
19	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 0.5 Mtr			
20	USO SC Duplex Adapter SM			
21	USO SC APC Simplex Adapter SM			
22	SC Pigtail SMF LSZH 1.5 mtrs.			
23	SC APC Pigtail SMF LSZH 1 mtrs			
24	2 Port Fiber wall outlet with SC Simplex coupler, SC/APC Pigtail with Accessories			
25	12 Port LIU Wall Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.			

Sl. No.	Technical Requirement	Brand	Compliance (Yes / No)	Reference Page No.
26	12 Port LIU Rack Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.			
27	24 Port LIU Rack Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.			
III GPON Materials				
28	1:2 splitter SMF SC/APC LSZH 900 micro meter Simplex			
29	1:4 splitter SMF SC/APC LSZH 900 micro meter Simplex			
30	1:8 splitter SMF SC/APC LSZH 900 micro meter Simplex			
31	Splitter Box 1 X 8 SC GRN APC SM Low Loss			
32	Adapter Plate Multimedia Wallmount Enclosure			
33	Wallmount Fiber Enclosure with 1:8 Splitter Box, Pigtail and Splice Tray			
IV Enclosure:				
1	48 Fiber Dome Outdoor Fiber Optic Splice Enclosure, IP 68 Compliant, 48 Splice Protector with Stainless Steel Pole mounted accessories			
V Implementation materials				
1	RJ45 Connector(Cat6) Supply and Crimping			
2	PVC Channel – 1”			
3	PVC Pipe – 1”			
4	PVC Channel – 1.5”			
5	PVC Pipe – 1.5”			
6	PVC Channel – 2”			
7	PVC Pipe – 2”			
8	HDPE Pipe – 1”			
9	HDPE Pipe – 1.5”			
10	HDPE Pipe – 2”			
11	MK PVC Channel 50/50			
12	MK PVC Channel 100/40			
13	4U Rack + 2 Fan + 1 Cable Manager +1 Power Strip			
14	6U Rack + 2 Fan + 1 Cable Manager +1 Power Strip			
15	9U Rack + 2 Fan + 1 Cable Manager +1 Power Strip			

Sl. No.	Technical Requirement	Brand	Compliance (Yes / No)	Reference Page No.
16	12U Rack + 2 Fan + 1 Cable Manager +1 Power Strip			
17	15U Rack + 2 Fan + 1 Cable Manager +1 Power Strip			
VI	Excavation of Cable Trench 3 feet's depth, Brick & soft soil refilling			
VII	SC Splicing			

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

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

PROFORMA FOR FINANCIAL BID (BoQ)
SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS ON RATE CONTRACT BASIS
Tender No. IITM/SPS/Structured Network Cabling/002/2024-25/SPL

S. No	Description	Qty.	Price (Excl. of GST)		
			Supply (a)	Installation (b)	Total (a+b)
1	UTP Materials – CAT-6				
1.01	Cat6 Cable (4 Pair, 23 AWG Solid Bare copper Cable U/UTP LSZH 332.1, Printed Meter Marking)	1 Mtr.			
1.02	Cat6 I/O with Dust Cover to cover RJ45 Interface	1 No.			
1.03	1 Port Modular Surface Box – Unloaded.	1 No.			
1.04	2 Port Modular Surface Box – Unloaded.	1 No.			
1.05	Synergy Wall Plate 1 Port - 86mmx86mm- White with back box	1 No.			
1.06	Synergy Wall Plate 2 Port - 86mmx86mm- White with back box	1 No.			
1.07	CAT-6 24 Port Straight Jack Panel with Rear Metal Cable Manager, 1U loaded, transparent clear Label cover	1 No.			
1.08	CAT-6 24 Port Angled Jack Panel with Rear Metal Cable Manager, 1U loaded, transparent clear Label cover	1 No.			
1.09	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 10 Mtrs	1 No.			
1.10	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 5 Mtrs	1 No.			
1.11	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 3 Mtrs	1 No.			
1.12	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 2 Mtrs	1 No.			
1.13	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 1 Mtr	1 No.			
1.14	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 0.5 Mtr	1 No.			
1.15	Cat6 (LSZH 4 Pair, 24 AWG Standard Copper) Patch Cord – 0.25 Mtr	1 No.			
1.16	Cat6 SF/UTP (4 pair 23 AWG Solid Copper with LSZH 332.1, Printed Meter Marking) Cable.	1 Mtr.			
1.17	CAT-6 Outdoor UV resistant LSZH inner Jacket cable	1 Mtr.			
1.18	CAT6 UTP Outdoor Armoured - ANSI/TIA/EIA 568C.2 ISO/IEC 11801 IEC 61156-5	1 Mtr.			
2	Shielded Materials – CAT-6A				
2.01	Cat 6A U/FTP CM 4 Pair Cable, LSZH Sheath.	1 Mtr.			
2.02	DG+ Shielded Jack (Diecast) Cat6A 568A/B Supply & Crimping	1 No.			
2.03	24 Port Cat 6A Shielded (Diecast Jacks) Straight Patch Panel, 1U loaded.	1 No.			
2.04	24 Port Cat 6A Shielded (Diecast Jacks) Angled Patch Panel, 1U loaded.	1 No.			
2.05	Cat 6A Shielded Patch Cord LSZH 1mtr	1 No.			
2.06	Cat 6A Shielded Patch Cord LSZH 2mtrs	1 No.			
2.07	Cat 6A Shielded Patch Cord LSZH, 3mtrs	1 No.			

S. No	Description	Qty.	Price (Excl. of GST)		
			Supply (a)	Installation (b)	Total (a+b)
2.08	Cat 6A Shielded Patch Cord LSZH, 5mtrs	1 No.			
2.09	Cat 6A Shielded Patch Cord LSZH, 10mtrs	1 No.			
2.10	RJ45 Shielded Connector(Cat-6A) Supply and Crimping	1 No.			
3	Fiber Materials				
3.01	2 Core Indoor / Outdoor LSZH Sprial-tube, G.657A1 armoured 9/125 micron Singlemode (OS2), Unitube construction / Multiple Loose Tube .	1 Mtr.			
3.02	2 Core Fiber all Dielectric 250 micron FTTH Flat Drop cable G.657A1	1 Mtr.			
3.03	6 Core outdoor armoured 9/125 micron Singlemode (OS2) Multiple Loose Tube, Corrugted Steel Tape Armour thickness > 0.15mm, two steel Gi wire for strength.	1 Mtr.			
3.04	12 Core outdoor armoured 9/125 micron Singlemode (OS2) Multiple Loose Tube, Corrugted Steel Tape Armour thickness > 0.15mm, two steel Gi wire for strength.	1 Mtr.			
3.05	24 Core outdoor armoured 9/125 micron Singlemode(OS2), Multiple Loose Tube, Corrugted Steel Tape Armour thickness > 0.15mm, FRP Rod for strength.	1 Mtr.			
3.06	48 Core outdoor armoured 9/125 micron Singlemode(OS2), Multiple Loose Tube, Corrugted Steel Tape Armour thickness > 0.15mm, FRP Rod for strength.	1 Mtr.			
3.07	6 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.	1 Mtr.			
3.08	12 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.	1 Mtr.			
3.09	24 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.	1 Mtr.			
3.10	48 Core Indoor 9/125 Singlemode (OS2) -LSZH Fiber Cable.	1 Mtr.			
3.11	SC - SC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs	1 No.			
3.12	SC - LC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs	1 No.			
3.13	LC – LC Single mode OFC Patch cord, 9/125 Micron – 3 Mtrs.	1 No.			
3.14	SC - SC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr	1 No.			
3.15	SC - LC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr	1 No.			
3.16	LC – LC Single mode OFC Patch cord, 9/125 Micron – 1 Mtr.	1 No.			
3.17	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 3 Mtrs	1 No.			
3.18	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 1 Mtr	1 No.			
3.19	SC APC - SC APC Single Mode OFC Patch cord, 9/125 Micron – 0.5 Mtr	1 No.			
3.20	USO SC Duplex Adapter SM	1 No.			
3.21	USO SC APC Simplex Adapter SM	1 No.			
3.22	SC Pigtail SMF LSZH 1.5 mtrs.	1 No.			
3.23	SC APC Pigtail SMF LSZH 1 mtrs	1 No.			

S. No	Description	Qty.	Price (Excl. of GST)		
			Supply (a)	Installation (b)	Total (a+b)
3.24	2 Port Fiber wall outlet with SC Simplex coupler, SC/APC Pigtail with Accessories	1 No.			
3.25	12 Port LIU Wall Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.	1 No.			
3.26	12 Port LIU Rack Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.	1 No.			
3.27	24 Port LIU Rack Mount, Fully Powder Coated Steel Body, Labelling, Metal Fiber Patch cord cover, Adapter Plate with SC or LC duplex type coupler, fiber splice holder, splice protector with Gland 9.5-13.2 mm M20.	1 No.			
4	GPON Materials				
4.01	1:2 splitter SMF SC/APC LSZH 900 micro meter Simplex	1 No.			
4.02	1:4 splitter SMF SC/APC LSZH 900 micro meter Simplex	1 No.			
4.03	1:8 splitter SMF SC/APC LSZH 900 micro meter Simplex	1 No.			
4.04	Splitter Box 1 X 8 SC GRN APC SM Low Loss	1 No.			
4.05	Adapter Plate Multimedia Wallmount Enclosure	1 No.			
4.06	Wallmount Fiber Enclosure with 1:8 Splitter Box, Pigtail and Splice Tray	1 No.			
5	Enclosure:				
5.01	48 Fiber Dome Outdoor Fiber Optic Splice Enclosure, IP 68 Compliant, 48 Splice Protector with Stainless Steel Pole mounted accessories	1 No.			
6	Implementation material				
6.01	RJ45 Connector (Cat6) Supply and Crimping	1 No.			
6.02	PVC Channel – 1”	1 Mtr.			
6.03	PVC Pipe – 1”	1 Mtr.			
6.04	PVC Channel – 1.5”	1 Mtr.			
6.05	PVC Pipe – 1.5”	1 Mtr.			
6.06	PVC Channel – 2”	1 Mtr.			
6.07	PVC Pipe – 2”	1 Mtr.			
6.08	HDPE Pipe – 1”	1 Mtr.			
6.09	HDPE Pipe – 1.5”	1 Mtr.			
6.10	HDPE Pipe – 2”	1 Mtr.			
6.11	MK PVC Channel 50/50	1 Mtr.			
6.12	MK PVC Channel 100/40	1 Mtr.			

S. No	Description	Qty.	Price (Excl. of GST)		
			Supply (a)	Installation (b)	Total (a+b)
6.13	4U Rack + 2 Fan + 1 Cable Manager +1 Power Strip	1 No.			
6.14	6U Rack + 2 Fan + 1 Cable Manager +1 Power Strip	1 No.			
6.15	9U Rack + 2 Fan + 1 Cable Manager +1 Power Strip	1 No.			
6.16	12U Rack + 2 Fan + 1 Cable Manager +1 Power Strip	1 No.			
6.17	15U Rack + 2 Fan + 1 Cable Manager +1 Power Strip	1 No.			
7	Excavation of Cable Trench 3 feet's depth, Brick & soft soil refilling	1 Mtr.			
8	SC Splicing	1 No.			

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

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

**SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS ON RATE CONTRACT BASIS
Tender No. IITM/SPS/Structured Network Cabling/002/2024-25/SPL**

Dated: _____

CERTIFICATE

(Bidders from 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 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 PUBLIC PROCUREMENT POLICY
(PREFERENCE TO MAKE IN INDIA) 2017**

SUPPLY & LAYING OF STRUCTURED NETWORK CABLING AT IIT MADRAS ON RATE CONTRACT BASIS

Tender No. IITM/SPS/Structured Network Cabling/002/2024-25/SPL

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 or more than 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 declared insolvent by any of the Union or State Government / Organization.
- II. That none of the individual / firm / Company 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:

Date:

Signature of the Tenderer

Name & Address of the

Tenderer with Office Stamp

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 with Date