

**LOK SABHA SECRETARIAT**  
**Computer (HW&SW) Management Branch**  
**(Hardware Unit)**

Tender No. 2/CMB(HW)/2015

Dated: 05.03.2015

**Tender**

Lok Sabha Secretariat invites Advertised Tender Enquiry for procurement of Passive Component of LAN & Wi-Fi and their installation.

**The details of Tender Enquiry are as under: -**

**Scope of work**

Lok Sabha Secretariat intends to replace its present Local Area Network (LAN) with a new one and also install Wi-Fi facility at certain specified locations through separate Tender Enquiries for Active and Passive Components of LAN & Wi-Fi and their installation. The LAN and Wi-Fi network will be physically separate. This tender is for supply, installation, testing, commissioning of Passive Components of above LAN and secured Wi-Fi and to provide onsite support for a period of one year and warranty on Passive Components for a period of 20 years. The work is to be executed in four buildings of Parliament House Complex, New Delhi. The Bidder will also have to dismantle the present LAN and to connect the new LAN and Wi-Fi Network to Active Components of LAN and secured Wi-Fi as required. The specifications of Passive Components of above LAN and Wi-Fi (**Annexure-I**) and Bill of Material (**Annexures-II to IX**) are attached.

**2. Site Inspection**

The site of above LAN and Wi-Fi Network will remain open for inspection from **10.03.2015 to 24.03.2015** during office hours. The interested bidders may visit the site during above period and also peruse and study the detailed Network Design of above LAN and Wi-Fi. The Network Design shall be available in the office of Lok Sabha Secretariat for perusal and study only. The interested bidder shall neither be given a copy thereof nor shall they reveal Network Design to any person who is not concerned with this project.

**3. Phase-wise/ Building-wise completion and time schedule**

Work shall be completed building-wise/phase-wise over a period of 6 to 8 months under technical supervision of NIC. First cabling shall be done in PH and new building of PHA followed by PHA, PLB. The bidder shall have to indicate time-line for each of these buildings and delivery of passive components therefor. The L-1 bidder shall be provided stores for inventories. The list of inventories supplied/stored shall be furnished to Lok Sabha Secretariat for inventory management.

#### **4. Eligibility Criteria**

- (i) The Bidders must have their Head office/Branch office/service centre/OEM's service centre in Delhi/NCR and must conform to norms of the Government pertaining to registration and taxation.
- (ii) Bidder should have minimum three year's experience of supply of items pertaining to this Tender Notice in bulk to Government Departments/PSUs/Autonomous organizations and should not have been blacklisted by any of them.
- (iii) Bidders should have minimum turnover of **Rs.4 Crores** during each of the last three consecutive financial years.
- (iv) The Bidder should also fulfill the other eligibility criteria as mentioned in **Annexure – X** and submit the information as required.

#### **5. Technical Bid**

The Technical Bid shall comprise of two parts viz., Part - A and Part - B. Part - A of Technical Bid shall consist of documents pertaining to eligibility criteria as mentioned in (**Annexure – X**). Documents furnished in Part A of Technical Bid must be serially numbered and indexed and placed in an envelope. Part - B regarding specifications, warranty etc., should be submitted in proforma (**Annexure- XI**). Both Parts of Technical Bid should be placed in separate envelopes and superscribed as "Technical Bid - Part A" and "Technical Bid - Part B". Both these envelopes should be placed in bigger envelope with superscription, "Technical Bid" for Passive Components for LAN and Wi-Fi

#### **6. Financial Bid**

The Financial Bid should have only Prices/Rates quoted by the Bidder in proforma enclosed as **Annexures- XII to XXII**. In this regard, the following points may also be noted:-

- (i) The rates/prices should be quoted in Indian Rupees only (in words as well as in figures). The rates/prices quoted should be inclusive of all taxes/packing/cartage etc. However, a break-up of price and applicable taxes should be mentioned therein.
- (ii) The Bidder should quote only one rate for one item as per specification.
- (iii) The rate quoted shall be final.
- (iv) If the charges of any items get reduced during the validity of Tender, the benefit thereof shall be passed on to Lok Sabha Secretariat.

#### **7. Bid Validity**

- (I) The Bid shall remain valid for a period of 120 days from the date of opening of Technical Bid.

- (ii) The rate quoted must be valid for **six months** from the date of opening of Financial Bid.

**8. Submission of Bid**

- (i) The Bid shall be legible, typed/printed and be in English only. All the pages of the Bid should be serially numbered and signed.
- (ii) The Bid prepared by the Bidder shall comprise of (i) Technical Bid and (ii) Financial Bid.
- (iii) Bid may be submitted in the following manner:
  - (a) **Envelope No. 1-** Shall contain the Earnest Money Deposit (EMD)/Bid **Security**. The envelope must be superscribed as “EMD/ Bid Security” for passive component of LAN & Wi-Fi of Lok Sabha Secretariat.
  - (b) **Envelope No. 2-** Shall contain Technical Bid with two separate envelopes superscribed as **Part A and Part B** as mentioned in para 5 above.
  - (c) **Envelope No.3-** Shall contain Financial Bid.
  - (d) **Envelope No. 4-** Shall be a bigger envelope containing envelopes 1, 2 & 3 as mentioned above.

All the envelopes must be sealed and superscribed as “Tender for supply and installation of Passive Component of LAN & Wi-Fi” and addressed to **The Director, Computer (HW&SW) Management Branch, 514-A, Parliament House Annexe, New Delhi-110001. The Tender may be dropped in the Tender Box placed in the Reception Office, Parliament Library Building (Opp. Gurudwara Rakabganj), New Delhi-110001 on or before the last date and time of submission of Tender, i.e. 15.04.2015 upto 1700 hrs.** If the last date happens to be a holiday, the same would be accepted on next working day as per above schedule. Tenders received after due date and time and sent by email, fax, telegram or any other method will not be accepted. The tender document will also be uploaded on the website( [www.loksabha.nic.in](http://www.loksabha.nic.in)) of Lok Sabha Secretariat

- (iv) All the envelopes shall also indicate the name and address of the Bidder enabling the Bid to be returned, if required.

**9. Bid Security/Earnest Money Deposit (EMD)**

- (i) An Earnest Money of **Rs.5 Lakhs** in the form of Account Payee Demand Draft/Fixed Deposit Receipt/Banker's Cheque/Bank Guarantee in favour of 'Drawing & Disbursing Officer', Lok Sabha, New Delhi must be furnished in a separate envelope as stated in para **8** (a) above. Earnest Money will not be accepted in the form of Money Order/Cash. The Bid Security shall remain valid for a period of 45 days from the last date of **Bid Validity Period**.
- (ii) A Bid received without Earnest Money or with Earnest Money of lesser value will be outrightly rejected.
- (iii) The EMD may be forfeited in the following cases:
  - (a) If a Bidder withdraws his Bid during the period of Bid validity; or
  - (b) In the case of finally selected Bidder, if the Bidder fails: -
    - (i) to furnish contract performance security in accordance with Tender; or
    - (ii) if at any stage of the Tender process, the information or declaration furnished is found false; or
    - (iii) if the Bidder fails to execute a contract as per terms and conditions of Tender Notice.
- (iv) The Earnest Money is not required to be submitted by the Bidder who is registered with the Central Purchase Organization, National Small Industries Corporation (NSIC) or the concerned Ministry or Department for the items under consideration. In such case, a copy of valid Registration Certificate issued by DGS&D/NSIC (for the quoted product) must be furnished in place of Bank Draft/Bank Guarantee, etc. as per para 9 (i) above.
- (v) Bid securities of the unsuccessful bidders would be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30<sup>th</sup> day after the award of the contract. **The EMD of finally selected Bidder will be discharged upon his/her signing the contract and furnishing the Performance Security Deposit (PSD) before placing purchase order.**

**10. Opening of Bid**

- (i) **Envelope No.1 containing the Earnest Money/Bid Security/Registration certificate issued by DGS&D/NSIC** shall be opened by Pay & Accounts Officer of Lok Sabha on **16.04.2015** at **1500** hrs. in the presence of DDO, Lok Sabha, and the Bidders or their Authorised Representatives. The Representatives are required to bring photo identity cards issued by the Bidder and also a copy of the authorisation as given in **Annexure - XXVI**. A copy of the authorization may also be sent to this Secretariat separately at least three working days before the opening of the Bid.

- (ii) **Envelope No. 2 containing the Technical Bid** shall then be opened on **16.04.2015** and serially numbered. Envelope containing Part A of the Technical Bid shall be opened first. After scrutiny of Part A of Technical Bid, Envelope containing part B of Technical Bid shall be opened. The date will be intimated to the participants bidders.

No query regarding Technical Bid/Bid Security shall be entertained after completion of Technical Bid opening.

- (iii) **Envelope No.3** containing the Financial Bids shall be opened only for technically qualified Bidders in the presence of P&AO, Lok Sabha, and the Bidders/their Authorized Representatives on a later date which would be intimated to technically qualified Bidders. Only summary of prices quoted by the Bidders will be read out.

- (iv) Lok Sabha Secretariat reserves the rights to reject quotations not conforming to the Tender Document.

#### **11. Technical Evaluation Process**

A duly constituted Technical Evaluation Committee (TEC) will first select Bidders on the basis of eligibility criteria defined for this Tender. The Bids conforming to the eligibility criteria only will be considered for further evaluation. If there is any lack of clarity in the submitted eligibility documents, TEC may seek further information or ask concerned Bidder's representative to be present physically to prove their eligibility.

- (i) The TEC will short list the Technical Bids on the basis of Technical parameters.
- (ii) Technical Bids will be evaluated as per **Annexures –X and XI.**
- (iii) A Bidder will be allowed to quote only one product/make against each category.
- (iv) Lok Sabha Secretariat reserves the right to amend/modify the evaluation procedure anytime in its overall interest.

#### **12. Determination of Lowest Bidder and award of contract**

##### **(a) Determination of Lowest Bidder (L-1)**

The Criteria for evaluation of Lowest Bidder would be as under:

- (i) Lowest Bidder (L-1) will be the one whose total quoted rate for all the items i.e. (i) Supply and installation of Passive Components for LAN of PH (ii) Supply and installation of Passive Components for LAN of PHA (iii) Supply and installation of Passive Components for LAN of PLB (iv) Supply and installation of Passive Component for Wi-Fi in PH (v) Supply and installation of Passive Component for Wi-Fi in PHA, (vi) Supply and installation of Passive Component for Wi-Fi in PLB (vii) Supply and installation of Passive Components of LAN & Wi-Fi in A and B Block of New Building, PHA, (viii) Supply and installation of Passive Components of Fibre backbone outdoor, (ix) Buy back of old

- items (x) dismantling of existing LAN (xi) Site Certification and (xii) Hiring of Services of Network Engineer taken together is the lowest;
- (ii) Lok Sabha Secretariat reserves the right to select any of the Lowest Bidder in case of tie.

**(b) Award of contract**

After selection, contract shall be awarded to the Lowest Evaluated Bidder Such Lowest Evaluated Bidder shall have to execute an Agreement on a stamp paper of Rs 100/- ( to be paid by Bidder) as per proforma to be provided by Lok Sabha Secretariat. The agreement will cover time-schedule( phase-wise), technical specification, payment schedule, warranty, AMC after warranty, monitoring, penalty for delay and violation of terms and conditions of tender document.

**13. Performance Security Deposit (PSD)**

Before signing of agreement for supply and installation of Passive Component and placing of Purchase Order, the successful Bidder shall have to furnish a Performance Security amounting to 5% of value of the contract (L1) in the form of Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial Bank, Bank Guarantee from a Commercial Bank in an acceptable form safeguarding the purchasers interest in all respects in favour of "Drawing & Disbursing Officer, Lok Sabha" payable at New Delhi. The Performance Security shall also be furnished by the Bidders registered with DGS&D and NSIC. The Performance Security will remain valid for a period of **sixty days** beyond the date of completion of all contractual obligation of the supplier including warranty obligation. The Bid Security will be returned to the successful bidder on receipt of Performance Security.

**14. Warranty**

- (i) The bidder will get the new site installation certified for 20 yrs. performance warranty from OEM wherever required.
- (ii) Bidder would provide the help-desk support services through telephone/e-mail where users can lodge their complaint. The resident Project Manager at Lok Sabha Secretariat, New Delhi will maintain the list of call and ensure the rectification during 1 year warranty.
- (iii) On completion of the Warranty period, the Security Deposit without any interest accrued shall be released after satisfying that proper free warranty support has been provided during warranty period of one year. Suitable amount of penalty shall be recovered from the bidder out of payments due or from their Security Deposit while releasing the Security Deposit.
- (iv) The **Bidder** shall certify that the stores supplied to the Secretariat under Supply Order placed against this Tender are of best quality and workmanship and new in all respects and are strictly in accordance with the specifications and particulars

mentioned in **Annexure – I** to this Tender Document.

- (v) The period of comprehensive onsite warranty will start from the date of installation and commissioning of items but not later than 90 days from the date of delivery of items in the Secretariat.
- (vi) The Bidder shall maintain the supplied items free of charge **during warranty period**. After, such period, as required, the Bidder shall conclude a maintenance agreement with the Lok Sabha Secretariat for such period and with such terms and conditions as may be necessary and mutually agreed to.

**15. Supply of LAN Passive items/equipments, laying of cables and installation.**

- (i) A single order for supply and installation of all the passive components of LAN & Wi-Fi, site certification warranty and buy-back of old items shall be placed. However, the bidder shall have to execute the work in phase-wise/building-wise. The site certification and buy back shall be done after the laying, testing and commissioning of the above items. The bill shall be raised on the basis of material supplied and installed and work done phase-wise/building-wise. The whole work is to be completed within 6 to 8 months of placement of purchase order as defined in **Para 3** above.
- (ii) All the installation work is to be carried out as per the IEEE standards (ISO/IEC 11801:2002, EIA/TIA 568B 2-10, EIA/TIA 568B 2-1). For this, the bidder will post an engineer, certified in cabling systems at the site till the completion of the installation and commissioning of the passive components supplied and site certification done. The bidder shall also post the above engineer for further period of one year from the date of commissioning of above LAN and Wi-Fi to ensure that the items installed function smoothly.
- (iii) The Bidder will get the site installations certified for 20 years performance warranty from the OEM. During the operation of the performance warranty for twenty years, the bidder shall coordinate with the OEM and facilitate redressal of the complaints at the earliest. The bidder shall also extend all support for installation and commissioning of Active Component to another bidder/concerned agency. Any deficiency of the bidder in this regard may make him liable for blacklisting for doing business with Lok Sabha Secretariat in future.
- (iv) The procured items shall be delivered **Free on Board (FOB)** at the Lok Sabha Secretariat during office hours.
- (v) The Lok Sabha Secretariat shall have right to inspect the items under consideration before delivery/installation by itself or by an agency nominated by it. The Bidder shall extend all reasonable facilities for the inspection/ testing of the items.
- (vi) The bidder shall have to coordinate with regard to installation, testing, commissioning of the supplied items with National Informatics Center (NIC) or any other agency nominated by Lok Sabha Secretariat.
- (vii) Before the delivery, the Bidder shall satisfy that the items are as

- per terms and conditions of this Tender.
- (viii) In case of delayed delivery upto 15 days without valid reason, a penalty of an amount equal to 0.5% of the total value will be imposed. Thereafter, a penalty at the rate of 1% of the value of the items upto one month will be imposed. Besides, the Purchase Order for remaining quantity may be considered for cancellation, if the delay is more than one month. The penalty, if not paid, shall be recovered from PSD.
  - (ix) Supply, installation, testing, commissioning and handing over of the system shall be completed within **8 months**. In case of any extension of period of completion, it shall be allowed only with prior written approval of LSS. In case of delay in installation, completion and commissioning with the existing system, the liquidated damage at the rate of 0.5% on the total value order of the actual cost of billing or part thereof, will be recovered from the final payment and or from the payable due to firm by LSS by any other account.

## **16. Force Majeure Clause**

If at any time during the continuance of this Tender, the performance in whole or in part by either party of any obligation under this Tender shall be prevented or delayed by the reasons of any war, hostility, acts of the public enemy, epidemics, civil commotion, sabotage, fires, floods, explosion, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to as such acts) provided notice of happening of such event is given by one party to the other within 21 days from the date of occurrence thereof, neither party shall be by reasons of such event, be entitled to terminate this Tender nor shall either party have any claim for damages against the other in respect of such non-performance or the delay in performance, and deliveries and installation under the Tender shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the Competent Authority as to whether the deliveries have been so resumed or not, shall be final and conclusive, provided further that if the performance in whole or part of any obligation under this Tender is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may at its option terminate the Tender provided also that the purchaser shall be at liberty to take over from the Bidder at a price to be fixed by Competent Authority, which shall be final, all unused, undamaged and accepted material, bought out components and stores in course or manufacture in the possession of the contractor at the time of such termination or such portion thereof as the purchaser may deem fit excepting such materials, bought out components and stores as the Bidder may with the concurrence of the purchaser elect to retain.

## **17. Complaint Redressal**

- (i) During warranty period the complaint should invariably be attended within 2 hours of lodging the same and must be resolved within 4 hrs if the complaint is lodged by 4 p.m. In case of complaint lodged after 4 PM, the same must be resolved by 12.00 a.m. the next day. The engineer(s) of the



firm/OEM will attend the complaint at the location of the item (s) in the Secretariat failing which a reasonable penalty equivalent to the loss caused to Lok Sabha Secretariat but not exceeding Rs.10000/- on each occasion may be imposed at discretion of Lok Sabha Secretariat. The penalty, if not paid, may be recovered from the Performance Security Deposit furnished or from any payable dues from LSS.

#### **18. Other General Terms and Conditions**

- (i) The individual signing the Tender Document or any other document forming part of the Tender on behalf of Proprietor/Company/Firm shall produce an authenticated copy of the resolution passed by the Company, or Power of Attorney duly executed in his favour stating that he has the authority to bind other such persons of the firm as the case may be in all matters pertaining to the Tender including the arbitration clauses. In case of Partnership firm, all the partners shall sign the Tender. In case any person signs the Agreement on behalf of any Limited Company or Firm, he will produce letter of authority/resolution passed by the Company empowering him to sign the Agreement on behalf of the Company or Firm.
- (ii) In the event of failure to supply whole or part of the purchase order or failure to complete the work as per terms of tender/agreement, LSS is free to order the whole or part of the stores/work to the L2 or any other source at the cost and risk of L-1. In the event of non-supply by such L1, the Performance Security or Earnest Money so deposited by the Bidder shall be forfeited and other legal action may also be initiated. Further, the Bidder will be blacklisted for supply of any item to the Secretariat.
- (iii) The Bidder shall indemnify the Lok Sabha Secretariat against all damages/charges and expenses on account of the negligence of the Firm or his servants or damages to the property of any member of the public or any person or in executing the work or otherwise.
- (iv) The decision of Lok Sabha Secretariat arrived during the various stages of the evaluation of the Bids will be final & binding on all bidders. Any representation towards these shall not be entertained by Lok Sabha Secretariat.
- (v) In case the bidder is found in-breach of any condition(s) of Tender or Supply Order, at any stage during the course of supply/installation/commissioning or warranty period, the legal action as per laws shall be taken.
- (vi) In case of any attempt by bidder to bring pressure towards Lok Sabha Secretariat's decision making process, the same shall be disqualified for participation in the present Tender and those bidders may be liable to be debarred from Bidding for Lok Sabha Secretariat Tenders in future.
- (vii) Any additional condition other than mentioned in Tender Document will not be binding on Lok Sabha Secretariat.
- (viii) No deviations from terms and conditions of Tender will be accepted. Any violation thereof will lead to the rejection of the Bid.
- (ix) Upon verification, evaluation/assessment, if in case any information furnished by the bidder is found to be false/incorrect, their total Bid

shall be summarily rejected and no correspondence on the same shall be entertained.

- (x) Lok Sabha Secretariat will not be responsible for any misinterpretation or wrong assumption by the bidder, while responding to this Tender.
- (xi) The successful Bidder shall have to enter into Service Level Agreement (SLA) with LSS for maintenance during warranty in accordance with terms and conditions of this Tender Enquiry.
- (xii) The quantity of required items may increase/decrease as per the requirement of LSS. Further, the repeat order(s) may be issued.
- (xiii) The Lok Sabha Secretariat reserves the rights to terminate the Tender without assigning any reason thereof at any stage.
- (xiv) The bidder shall fulfill the terms and conditions of this tender document, the agreement to be signed before the placement of the order. The violation of the terms and conditions of the tender document or above agreements may disqualify him/her for further business with Lok Sabha Secretariat and may make him/her liable for penalties or other legal action mentioned in this tender document.
- (xv) Execution of the work and Entry/Exit of the workers of the firms shall be subject to security norms of LSS.

#### **19. Bill Payment**

- (i) Payment shall be made phase-wise/building-wise. Detailed invoice showing Sales Tax/VAT Registration Nos., TIN/PAN etc. along with delivery challan may be submitted to this Secretariat for payment.
- (ii) Payment will be made only after certificate of installation/commissioning of all ordered items as per this tender by NIC and satisfaction of performance by Computer Management Branch.
- (iii) No advance payment will be made.
- (iv) All bills shall be raised in Indian Rupees and payments shall also be made in Indian Rupees.

#### **20. Clarifications/Pre-Bid Conference.**

- (i) **A Pre-Bid Conference for the Bidders will also be held at 1600 hrs. on 25.03.2015 in BPST Committee Room - C, PLB** for clarifying issues, clearing doubts and having suggestions, if any, regarding Tender.

#### **21. Suggestions of Bidders**

The interested bidders may offer suggestions on [mqb-iss@sansad.nic.in](mailto:mqb-iss@sansad.nic.in) regarding specifications, Bill of Material, Design of LAN and Wi-Fi, tender procedure and terms and conditions of this tender **latest by 26.03.2015**. The suggestions so received will be considered by Lok Sabha Secretariat and if necessary, a corrigendum will be issued on the Website of Lok Sabha Secretariat([www.loksabha.nic.in](http://www.loksabha.nic.in)) **latest by 01.04.2015**.

**22. Dispute Redressal**

- (i) All disputes, differences and questions arising out of the Tender shall be referred to the sole Arbitrator appointed by the Secretary-General, Lok Sabha. The arbitration shall be in accordance with the Arbitration and Conciliation Act, 1996. All disputes shall be subject to jurisdiction of courts of Delhi only.
- (ii) The terms and conditions of this Tender Notice or Contract to be concluded with the successful Bidder shall be interpreted in accordance with the Indian laws.

## Tender for Passive Components for LAN and Wi-Fi

### ANNEXURE - I

#### Specifications of Passive Components of LAN and Wi-Fi

##### UTP Components (CAT 6)

Sl. No.	Items	Specifications
1.1	UTP Components (CAT 6)	All specifications for components & cabling to be tested up to 250 Mhz, UL/ETL*R listed & verified, should be registered for follow up program, UL/ETL marking should be embossed/printed on the passive items & their packing
1.2	UTP Cable	4 pair, should confirm or exceed the EIA/TIA 568 C.2-1 (CAT 6) standards for physical & electrical specifications, UL/ETL*R listed & verified should be certified by independent test lab for 1G Gigabit Ethernet Performance up to 100 mtrs. 23 AWG solid bare copper.
1.3	24 Port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed & verified.
1.4.	48 Port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed & verified.
1.5	Information outlets	Surface mount box with RJ 45 socket & gang box, should confirm or exceed the EIA/TIA 568 C.2-1 standards for CAT 6, provision for dust cover, labeling icons & strips anchors for stain relief cable entry, UL/ETL*R listed & verified. (i) Single (1-port) (ii) Dual (2-port) (iii) Quad (4-port)
1.6	Patch Cord	Should confirm or exceed the EIA/TIA 568 C.2-1 standards for CAT 6, Factory molded boots on RJ 45 plugs at both ends, UL/ETL *R listed & verified, Option for colour – Grey, Blue, Red & Green & cross over cable. Length – 1 Mtrs. Length – 2 Mtrs.
1.7	Wire Manager	19" rack mountable, metallic high strength with metallic jumper rings for routing cable assemblies, mounts to the front of 19" rack of 1U height.

##### Fibre Componenets

Sl. No.	Items	Specifications
2.1	Fiber Optic outdoor armoured cable, multi loose tube Single Mode (SM)	Single mode optical fiber cable, 9.2/125 micron graded index, anti rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tubes, armoring with acrylic coated good quality steel tape, with FRP strength member, water proof tape, double layer of HDPE

		jacket, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA – 640 standards for Fiber and cable performance specifications. UL/ETL *R listed for fire safety, Required in following configuration 12 fibers.
2.2	Optical Fiber pigtailed SC type, 1 meter length	Pigtails SC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, U/ETL *R Listed & verified required for terminating (i) 9.2/125 micron SM fiber
2.3	Optical Fiber Patch Cord, SM, LC-LC	Duplex, 9.2/125 micron SM fiber, SC connector at one end and LC connector on other end, length of as below with factory mount ceramic connector at both end UL/ETL *R Listed & verified Length – 3 m
2.4	Optical fiber patch cord, SM, SC-SC	Duplex, 9.2/125 micron SM fiber, SC connector at both end, length as below with factory mount ceramic connector at both end UL/ETL *R listed and verified Length – 3 metre
2.5	LIU, 12 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 12 fibers 50/125 micron MM or 12 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. compatible cable management rings/bars should be provided.
2.6	LIU, 24 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 2U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.
2.7	LIU, 48 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 4U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.

### 19" Equipment mounting Racks

Sl. No.	Items	Specifications
3.1	19" Rack, Wall Mount, 530 mm depth, 12 U height Front glass door (lockable, toughened 4mm),	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 50 Kgs, Have following accessories 19" mountable, 1U, Universal power socket design to fit both round & flat socket with built in surge protection & over load circuit breaker, 5 AMP AC power distribution channel made of high flame retardant & insulating material, CE approved with 6 nos sockets (1 nos), Cooper earthing kit (19" copper Bar) & equipment mounting screws/hardware packets (2 nos), Fan tray with two fans (low noise, good quality, ball bearing type, 90 CFM).
3.2	19" Rack, Floor standing 1000 mm, depth, 42 U	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 500 Kgs, Quick release locking sides, front & rear

	height Front & back door (lockable) Front glass door (toughened),	door, Have following accessories 19" mountable, 2U, Universal power socket design to fit both round & flat socket with built in surge protection & overload circuit breaker, 15 & 5 AMP AC power distribution channel made of high flame retardant & insulating material, CE approved with 5 nos sockets with individual on/off switch & light indication (4 nos), Support angles 2 pairs, 800 mm depth Equipment shelves 800 mm depth – 2 nos Castors with brakes Fan tray with four fans (low noise, good quality, ball bearing type, 90 CFM). Earthing kit (19" copper Bar) Mounting screws/hardware packets (5 nos)
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**Ducts, Conduit Pipes, HDPE PVC Jacket, Buffer Tubing Kit**

4.1	Duct 15x15	PVC, ISI Mart			
4.2	Duct 45x25	PVC, ISI Mart			
4.3	Duct 30x25	PVC, ISI Mart			
4.4	Duct 45x45	PVC, ISI Mart			
4.5	Conduit Pipe 40mm	PVC, ISI Mart, OD Size			
4.6	Conduit Pipe 32mm	PVC, ISI Mart, OD Size			
4.7	2" HDPE PVC Jacket	PVC, ISI Mart, OD Size			
4.8	Bufer Tubing Kit	PVC, ISI Mart, OD Size			

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE - II**

**Bill of Material of Passive Components for fiber backbone of Parliament House Complex (PHC), New Delhi**

<b>A. Supply Items</b>			
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	Fiber optic Outdoor armoured 12 core (SM)	1400	Meter
2.	LIU, 48 fiber, Rack mount (SC) (SM)	1	Per Unit
3.	LIU, 12 fiber, Rack mount (SC) (SM)	2	Per Unit
4.	SC Pigtails (SM)	96	Per Unit
5.	Supply of 2" HDPE PVC Jacket	2300	Meter
6.	Supply of Buffer tubing kit	96	Per Unit
7.	Fiber Optics Cable Route Marker	100	Per Unit
<b>B. Installation Items</b>			
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	Installation of 2" HDPE PVC Jacket	2300	Meter
2.	Laying of Outdoor armoured fiber cable	1400	Meter
3.	Excavation and resurfacing of the soil	450	Meter
4.	Excavation and resurfacing of the concrete	100	Meter
5.	Trenchless Digging for excavation under Public Road crossing or campus	30	Meter
6.	SC/LC Pigtails splicing on fiber optic cable	96	Per Unit
7.	Installation of Buffer tubing kit	96	Per Unit
8.	Performance testing of laid fiber optic cable continuity	96	Per link
9.	Installation and termination of fiber termination unit	96	Per Unit
10.	Fiber Optics Cable Route Marker	100	Per Unit

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -III**

**Bill of Material of Passive Components of LAN of Parliament House (PH),  
New Delhi**

**A. Supply Items**

<b>Sl. No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>
1.	UTP Cable CAT 6 (305 Meters Box)	83	Per Box
2.	UTP Cable CAT 6 Information Outlet (Single)	460	Per Unit
3.	UTP Cable CAT 6 Patch Cord 3 Feet	460	Per Unit
4.	UTP Cable CAT 6 Patch Cord 7 Feet	460	Per Unit
5.	Wire Manager	39	Per Unit
6.	Optical Fiber Patch Cord, SM, SC to LC-3 Meter	84	Per Unit
7.	Fiber Optic Outdoor Armored 12 core (SM)	5300	Meter
8.	LIU, 48 Fiber, Rack mount (LC)/(SM)	5	Per Unit
9.	LIU, 24 Fiber, Rack mount (LC)/(SM)	2	Per Unit
10.	LIU, 12 Fiber, Rack mount (SC)/(SM)	19	Per Unit
11.	SC Pigtails (SM)	504	Per Unit
12.	19" Wall mount, 12U Rack	25	Per Unit
13.	19" Floor standing, 42U Rack	1	Per Unit
14.	24 Port Jack Panel (UTP CAT 6)	39	Per Unit
15.	Supply of Duct 15x15	3000	Meter
16.	Supply of Duct 45x25	1250	Meter
17.	Supply of Duct 30x25	1400	Meter
18.	Supply of Duct 45x45	750	Meter
19.	Conduit Pipe 40mm	1350	Meter
20.	Conduit Pipe 32mm	1650	Meter
21.	Supply of 2" HDPE PVC Jacket	4400	Meter
22.	Supply of Buffer tubing kit	504	Per Unit



<b>B. Installation Items</b>			
<b>Sl.No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>
1.	Laying of UTP CAT 6 Cable	25300	Meter
2.	Installation of Information Outlet	460	Per Unit
3.	LAN Survey & documentation	460	Per Unit
4.	Installation of Jack panel	460	Per Unit
5.	Testing of Nodes	460	Per Unit
6.	Installation of Duct 15x15	3000	Meter
7.	Installation of Duct 45x25	1250	Meter
8.	Installation of Duct 30x25	1400	Meter
9.	Installation of Duct 45x45	750	Meter
10.	Installation of Conduit Pipe 40mm	1350	Meter
11.	Installation of Conduit Pipe 32mm	1650	Meter
12.	Installation of 2" HDPE PVC Jacket	4400	Meter
13.	Laying of Outdoor armored Fiber Cable	5300	Meter
14.	SC/LC Pigtails splicing on Fiber Cable	504	Per Unit
15.	Installation of Buffer tubing kit	504	Per Unit
16.	Performance testing of laid fiber optic cable continuity	504	Per Link
17.	Installation and termination of fiber termination Unit	504	Per Unit
18.	Fixing of 19", 12U Rack	25	Per Unit
19.	Fixing of 19", 42U Rack	1	Per Unit
20.	Removal of Old UTP Cable	16240	Meter

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -IV**

**Bill of Material of Passive Components of Wi-fi Network of Parliament House  
(PH), New Delhi**

<b>Sl. No.</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>
1.	UTP Cable CAT 6 (305 Meters Box)	12	Per Box
2.	UTP Cable CAT 6 Information Outlet (Single)	65	Per Unit
3.	UTP Cable CAT 6 Patch Cord 3 feet	65	Per Unit
4.	UTP Cable CAT 6 Patch Cord 7 Feet	65	Per Unit
5.	Wire Manager	13	Per Unit
6.	Optical Fiber Patch Cord, SM, SC to LC-3 Meter	26	Per Unit
7.	Supply of Duct 15x15	650	Meter
8.	Supply of Duct 30x25	400	Meter

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -V**

**Bill of Material of Passive Components of LAN of Parliament Library Building  
(PLB), New Delhi**

<b>A</b>	<b>Supply Items</b>		
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1	Optical Fiber Patch Cord, MM, SC to LC – 3 mtr.	148	Per Unit
2	Optical Fiber Patch Cord, SM, SC to LC – 3 mtr.	16	Per Unit
3	19”, Floor standing 42 U Rack	1	Per Unit
<b>B</b>	<b>Installation Items</b>		
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1	Fixing of 19”, Floor standing, 42 U Rack	1	Per Unit

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -VI**

**Bill of Material of Passive Components of Wi-fi Network of Parliament Library Building (PLB), New Delhi**

<b>A</b>		<b>Supply Items</b>	
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	UTP Cable CAT 6 (305 Meters Box)	4	Per Box
2.	UTP Cable CAT 6 Information Outlet (Single)	24	Per Unit
3.	UTP Cable CAT 6 Patch Cord 3 ft	24	Per Unit
4.	UTP Cable CAT 6 Patch Cord 7 ft	24	Per Unit
5.	Wire Manager	11	Per Unit
6.	Optical Fiber Patch Cord, OM4, MM, SC to LC – 3 mtr.	25	Per Unit
7.	Optical Fiber Patch Cord, OM4, SM, SC to LC – 3 mtr	18	Per Unit
8.	24 Port Jack Panel (UTP CAT 6)	11	Per Unit
9.	Supply of Duct (15 x 15)	350	Per Unit
10.	Supply of Duct (30 x 25)	175	Per Unit
11.	Supply of Conduit Pipe (40 mm)	90	Per Unit
<b>B.</b>		<b>Installation Items **</b>	
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	Laying of UTP CAT 6 Cable	1320	Meter
2.	Installation of Information Outlet	24	Per Unit
3.	LAN survey & documentation	24	Per Unit
4.	Installation of Jack Panel	24	Per Unit
5.	Testing of Nodes	24	Per Unit
6.	Installation of Conduit Pipe (40 mm)	90	Per Unit
7.	Installation of Duct (15 x 15)	350	Per Unit
8.	Installation of Duct (30 x 25)	175	Per Unit

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -VII**

**Bill of Material of Passive Components of LAN of Parliament House Annexe (PHA), Lok Sabha, New Delhi**

<b>A.</b>	<b>Supply Items</b>		
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	UTP Cable CAT 6 (305 Meters Box)	147	Per Box
2.	UTP Cable CAT 6 Information Outlet (Single)	815	Per Unit
3.	UTP Cable CAT 6 Patch Cord 3 ft	815	Per Unit
4.	UTP Cable CAT 6 Patch Cord 7 ft	815	Per Unit
5.	Wire Manager	56	Per Unit
6.	Optical Fiber Patch Cord, SM, SC to LC – 3 mtr.	220	Per Unit
7.	Fiber optic Outdoor armoured 12 core (SM)	4305	Meter
8.	LIU, 48 fiber, Rack mount (SC) (SM)	17	Per Unit
9.	LIU, 12 fiber, Rack mount (SC) (SM)	42	Per Unit
10.	SC Pigtails (SM)	1308	Per Unit
11.	19" wall mount 12 U Rack	44	Per Unit
12.	19" Floor standing 42 U Rack	2	Per Unit
13.	24 Port Jack Panel (CAT 6)	56	Per Unit
14.	Supply of Duct (15 x 15)	4500	Meter
15.	Supply of Duct (45 x 25)	2250	Meter
16.	Supply of Duct (30 x 25)	3000	Meter
17.	Supply of Duct (45x 45)	2000	Meter
18.	Supply of 2" HDPE PVC	4200	Meter
19.	Supply of Buffer tubing kit	1308	Per Unit
20.	Conduit Pipe (40 mm)	2100	Meter
21.	Conduit Pipe (32 mm)	2000	Meter
<b>B.</b>	<b>Installation Items</b>		
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	Laying of UTP CAT 6 Cable	44825	Meter
2.	Installation of Information Outlet	815	Per Unit
3.	LAN survey & documentation	815	Per Unit
4.	Installation of Jack Panel	815	Per Unit
5.	Testing of Nodes	815	Per Unit
6.	Installation of Duct (15 x 15)	4500	Meter
7.	Installation of Duct (45 x 25)	2250	Meter
8.	Installation of Duct (30 x 25)	3000	Meter
9.	Installation of Duct (45 x 45)	2000	Meter
10.	Installation of Conduit Pipe (40 mm)	2100	Meter
11.	Installation of Conduit Pipe (32 mm)	2000	Meter
12.	Installation of 2" HDPE PVC	4200	Meter
13.	Laying of Outdoor armoured fiber cable	4305	Meter
14.	SC/LC Pigtails splicing on fiber optic cable	1308	Per Unit
15.	Performance testing of laid fiber optic cable continuity	1308	Per link
16.	Installation and termination of fiber termination unit	1308	Per link

17.	Fixing of 19" Rack 12 U	44	Per Unit
18.	Fixing of 19" Rack 42 U	2	Per Unit
19.	Supply of Buffer tubing kit	1308	Per Unit
20.	Removal of Old UTP Cable	32600	Meter

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -VIII**

**Bill of Material of Passive Components of Wi-fi Network of Parliament House**

**Annexe (PHA), New Delhi**

<b>A. Supply Items</b>			
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	UTP Cable CAT 6 (305 Meters Box)	8	Per Box
2.	UTP Cable CAT 6 Information Outlet (Single)	45	Per Unit
3.	UTP Cable CAT 6 Patch Cord 3 ft	45	Per Unit
4.	UTP Cable CAT 6 Patch Cord 7 ft	45	Per Unit
5.	Wire Manager	7	Per Unit
6.	Optical Fiber Patch Cord, SM, SC to LC – 3 mtr.	14	Per Unit
7.	Supply of Duct (15 x 15)	450	Meter
8.	Supply of Duct (30 x 25)	320	Meter
9.	Conduit Pipe (40 mm)	300	Meter
10.	Conduit Pipe (32 mm)	300	Meter
<b>B. Installation Items</b>			
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	Laying of UTP CAT6 Cable	2475	Meter
2.	Installation of Information Outlet	45	Per Unit
3.	LAN survey & documentation	45	Per Unit
4.	Installation of Jack Panel	45	Per Unit
5.	Testing of Nodes	45	Per Unit
6.	Installation of Duct (15 x 15)	450	Meter
7.	Installation of Duct (30 x 25)	320	Meter
8.	Installation of Conduit Pipe (40 mm)	300	Meter
9.	Installation of Conduit Pipe (32 mm)	300	Meter

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -IX**

**Bill of Material of Passive Components of LAN and Wi-fi Network of New Building of Parliament House Annexe, (PHA) New Delhi.**

**A. Supply Items**

<b>Sl. No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>
1.	UTP CAT6 Cable (305 Meters Box)	209	Per Box
2.	UTP Cable CAT 6 Information Outlet (Single SMB)	1158	Per Unit
3.	UTP Cable CAT 6 Patch Cord 7 Feet	1158	Per Unit
4.	UTP Cable CAT 6 Patch Cord 3 Feet	1158	Per Unit
5.	24 Ports Jack Panel (UTP CAT6)	54	Per Unit
6.	Wire Manager	54	Per Unit
7.	19" Floor Standing 42U Rack	2	Per Unit
8.	19" Wall Mount 12U Rack	18	Per Unit
9.	Optical Fiber Patch Cord, SM, SC to LC-3 meter,	36	Per Unit
10.	Optical Fiber Patch Cord SM, SC to SC- 3 meter	04	Per Unit
11.	Fiber Optic Outdoor Armored Cable 12 core (SM)	3350	Per Unit
12.	LIU, 24 Fiber Rack mount (SC) (SM)	6	Per Unit
13.	LIU, 12 Fiber, Rack mount (SC) (SM)	11	Per Unit
14.	SC Pigtails (SM)	480	Per Unit
15.	Supply of Duct 15x15mm	5700	Meter
16.	Supply of Duct 30x25mm	4900	Meter
17.	Supply of Duct 45x25mm	4100	Meter
18.	Supply of Duct 45x45mm	4600	Meter
19.	Supply of PVC Conduit 32mm	3000	Meter
20.	Supply of PVC Conduit 40mm	3000	Meter
21.	Supply of 2" HDPE PVC Jacket	1200	Meter
22.	Supply of Buffer Tubing kit	432	Per Unit



## B. Installation Items

<b>Sl. No.</b>	<b>Item Description</b>	<b>Qty.</b>	<b>Unit</b>
1.	Laying of UTP CAT6 Cable	63690	Per Unit
2.	Installation of Information Outlet	1158	Per Unit
3.	Installation of Cable on Jack Panel end	1158	Per Unit
4.	Testing of Nodes	1158	Per Unit
5.	Installation of 42U Rack	2	Per Unit
6.	Installation of 12U Rack	18	Per Unit
7.	Installation of Duct 15x15mm	5700	Per Unit
8.	Installation of Duct 30x25mm	4900	Per Unit
9.	Installation of Duct 45x25mm	4100	Per Unit
10.	Installation of Duct 45x45mm	4600	Per Unit
11.	Outdoor Laying of Fiber Outdoor Armored Cable	2250	Per Unit
12.	Installation of PVC Conduit 32mm	3000	Per Unit
13.	Installation of PVC Conduit 40mm	3000	Meter
14.	Installation of 2" HDPE PVC Jacket	1200	Meter
15.	SC/AC Pigtails splicing on fiber optic cable	432	Meter
16.	Installation of Buffer Tubing kit	432	Meter
17.	Performance testing of laid fiber optic cable continuity	432	Meter
18.	Installation and termination of fiber termination Unit (LIU) Couples	432	Meter
19.	LAN Survey and documentation	1158	Meter
20.	Excavation and resurfacing of the soil	200	Meter
21.	Excavation and resurfacing of the concrete	50	Meter

**Tender for Passive Components for LAN and Wi-Fi**

**PROFORMA FOR PART – A OF TECHNICAL BID**

1. Name of the Bidder:
2. Address of the Bidder:
3. Contact details of the Bidder:
  - (a) Telephone Nos. (with STD Code)
  - (b) FAX No. \_\_\_\_\_
  - (c) Mobile No. \_\_\_\_\_
  - (d) E-mail \_\_\_\_\_
  - (e) Website \_\_\_\_\_
4. Name of Proprietor/Partner/Authorized Signatory
5. Copy of Registration Certificate(in case of Registered Firm/Company)
6. (a) Copy of Sales Tax/VAT/TIN Registration Certificate/Service Tax registration certificate.  
(b) PAN of Income Tax Department.
7. Copies of ITR for the last three consecutive years.
8. The Bidder should be an ISO:9001:2000 or ISO:9001:2008 Certified Company/Firm. Further, the OEM of which products are quoted by the bidder must be an ISO:9001:2000 or ISO:9001:2008 and ISO 9001:14001 Certified Company. Attach a copy of such certifications.
9. The Bidder must attach a copy of the quality certification for his own or his OEM's manufacturing/assembling/system integration facility from a recognized institution anywhere located in India or abroad.

10. Copy of Balance Sheet/Profit and Loss Account duly certified by Chartered Accountant for each of last three years showing annual turnover of Rs.4 Crore and above. **The figure of annual turnover should be highlighted.**
  11. Copy of certificate of authorized distributor/dealer of the OEM for the product (**Annexure-XXIV**).
  12. The bidder must attach copies of Purchase order for supply and installations of Passive Components of LAN totaling Rs.50 Lakh or above in each of last three years issued by Government Departments/PSUs/Autonomous organization of Government/Government corporations.
  13. Undertaking in the form of Affidavit duly attested by Executive Magistrate/Notary Public containing declaration of blacklisting or otherwise of the Bidder by the organizations in accordance with **Annexure- XXV**.
  14. The Bidder must have infrastructure support in the form of direct service centre or franchisee or OEM's service centre in Delhi/NCR Region. The Bidder must submit details of his infrastructure with reference to location, Technical manpower and availability of inventory of spares etc. and also indicate his business model for providing warranty and after sales support in the format given in **Annexure-XXVII**.
- \* Documents furnished must be serially numbered and indexed.

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XI**

**Specifications of Passive Components of LAN and Wi-fi**

**UTP Components (CAT 6)**

Sl. No.	Item	Specification required	Specification quoted	Deviation, if any	Whether deviation is on higher side or lower side to the required specification.
1.1	UTP Components (CAT 6)	All specifications for components & cabling to be tested up to 250 Mhz, UL/ETL*R listed & verified, should be registered for follow up program, UL/ETL marking should be embossed/printed on the passive items & their packing			
1.2	UTP Cable	4 pair, should confirm or exceed the EIA/TIA 568 C.2-1 (CAT 6) standards for physical & electrical specifications, UL/ETL*R listed & verified should be certified by independent test lab for 1G Gigabit Ethernet Performance up to 100 mtrs. 23 AWG solid bare copper.			
1.3	24 Port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed & verified.			
1.4	48 Port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed & verified.			
1.5	Information outlets	Surface mount box with RJ 45 socket & gang box, should confirm or exceed the EIA/TIA 568 C.2-1 standards for CAT 6, provision for dust cover, labeling icons & strips			

		anchors for stain relief cable entry, UL/ETL*R listed & verified. (i) Single (1-port) (ii) Dual (2-port) (iii) Quad (4-port)			
1.6	Patch Cord	Should confirm or exceed the EIA/TIA 568 C.2-1 standards for CAT 6, Factory molded boots on RJ 45 plugs at both ends, UL/ETL *R listed & verified, Option for colour – Grey, Blue, Red & Green & cross over cable. Length – 1 Mtrs. Length – 2 Mtrs.			
1.7	Wire Manager	19" rack mountable, metallic high strength with metallic jumper rings for routing cable assemblies, mounts to the front of 19" rack of 1U height.			

### Fibre Componentets

Sl. No.	Item	Specification required	Specification quoted	Deviation, if any	Whether deviation is on higher side or lower side to the required specification.
2.1	Fiber Optic outdoor armoured cable, multi loose tube Single Mode (SM)	Single mode optical fiber cable, 9.2/125 micron graded index, anti rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tubes, armoring with acrylic coated good quality steel tape, with FRP strength member, water proof tape, double layer of HDPE jacket, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA – 640 standards for Fiber and cable performance specifications. UL/ETL *R listed for fire safety, Required in following configuration			

		12 fibers.			
2.2	Optical fiber pigtails SC type, 1 meter length	Pigtails SC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, UL/ETL L*R Listed & verified required for terminating (i) 9.2/125 micron SM fiber			
2.3	Optical fiber Patch Cord, SM, SC- LC	Duplex, 9.2/125 micron SM fiber, SC connector at one end and LC connector on other end, length as below with factory mount ceramic connector at both end UL/ETL *R Listed &verified Length – 3 m			
2.4	LIU, 12 Fiber, 1 U Drawer style, 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 12 fibers 50/125 micron MM or 12 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. compatible cable management rings/bars should be provided.			
2.5	LIU, 24 Fiber, 1 U/2U, 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 2U height with removable back cover, should have inbuilt/pre-installed			

		splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.			
2.6	LIU, 48 Fiber, 4 U, 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 4U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.			
2.7	LIU, 48 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 4U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.			

**19" Equipment mounting Racks**

Sl. No.	Item	Specification required	Specification quoted	Deviation, if any	Whether deviation is on higher side or lower side to the required specification.
3.1	19" Rack, Wall Mount, 530 mm depth, 12 U	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 50 Kgs, Have			

	height, Front glass door (lockable, toughened 4mm),	following accessories 19" mountable, 1U, Universal power socket design to fit both round & flat socket with built in surge protection & over load circuit breaker, 5 AMP AC power distribution channel made of high flame retardant & insulating material, CE approved with 6 nos sockets (1 nos), Cooper earthing kit (19" copper Bar) & equipment mounting screws/hardware packets (2 nos), Fan tray with two fans (low noise, good quality, ball bearing type, 90 CFM).			
3.2	19" Rack, Floor standing 1000 mm, depth, 42 U height Front & back door (lockable) Front glass door (toughened),	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 500 Kgs, Quick release locking sides, front & rear door, Have following accessories 19" mountable, 2U, Universal power socket design to fit both round & flat socket with built in surge protection & overload circuit breaker, 15 & 5 AMP AC power distribution channel made of high flame retardant & insulating material, CE approved with 5 nos, sockets with individual on/off switch & light indication (4 nos), Support angles 2 pairs, 800 mm depth Equipment shelves 800 mm depth – 2 nos, Castors with brakes ,Fan tray with four fans (low noise, good quality, ball bearing type, 90 CFM). Earthing kit (19" copper			



		Bar) Mounting screws/hardware packets- 5 nos.			
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**Ducts, Conduit Pipes, HDPE PVC Jacket, Buffer Tubing Kit**

Sl. No.	Item	Specification required	Specification quoted	Deviation, if any	Whether deviation is on higher side or lower side to the required specification.
4.1	Duct 15x15	PVC, ISI Mart			
4.2	Duct 45x25	PVC, ISI Mart			
4.3	Duct 30x25	PVC, ISI Mart			
4.4	Duct 45x45	PVC, ISI Mart			
4.5	Conduit Pipe 40mm	PVC, ISI Mart, OD Size			
4.6	Conduit Pipe 32mm	PVC, ISI Mart, OD Size			
4.7	2" HDPE PVC Jacket	PVC, ISI Mart, OD Size			
4.8	Bufer Tubing Kit	PVC, ISI Mart, OD Size			

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XII**

**Proforma for financial bid of Passive Components for fiber backbone of Parliament House Complex (PHC), New Delhi**

<b>A. Supply Items</b>						
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Vat Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	Fiber optic Outdoor armoured 12 core (SM)	1400	Meter			
2.	LIU, 48 fiber, Rack mount (SC) (SM)	1	Per Unit			
3.	LIU, 12 fiber, Rack mount (SC) (SM)	2	Per Unit			
4.	SC Pigtails (SM)	96	Per Unit			
5.	Supply of 2" HDPE PVC Jacket	2300	Meter			
6.	Supply of Buffer tubing kit	96	Per Unit			
7.	Fiber Optics Cable Route Marker	100	Per Unit			
<b>B. Installation Items</b>						
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Service Tax Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	Installation of 2" HDPE PVC Jacket	2300	Meter			
2.	Laying of Outdoor armoured fiber cable	1400	Meter			
3.	Excavation and resurfacing of the soil	450	Meter			
4.	Excavation and resurfacing of the concrete	100	Meter			
5.	Trenchless Digging for excavation under Public Road crossing or campus	30	Meter			
6.	SC/LC Pigtails splicing on fiber optic cable	96	Per Unit			
7.	Installation of Buffer tubing kit	96	Per Unit			
8.	Performance testing of laid fiber optic cable continuity	96	Per link			
9.	Installation and termination of fiber termination unit	96	Per Unit			
10.	Fiber Optics Cable Route Marker	100	Per Unit			
<b>Total Price (In Rs.)</b>						

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XIII**

**Proforma for Financial Bid of Passive Components of LAN of Parliament House (PH), New Delhi.**

<b>A.</b>	<b>Supply</b>					
<b>Sl. No.</b>	<b>Item</b>	<b>Qty.</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Vat Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	UTP Cable CAT 6 (305 Meters Box)	83	Per Box			
2.	UTP Cable CAT 6 Information Outlet (Single)	460	Per Unit			
3.	UTP Cable CAT 6 Patch Cord 3 Feet	460	Per Unit			
4.	UTP Cable CAT 6 Patch Cord 7 Feet	460	Per Unit			
5.	Wire Manager	39	Per Unit			
6.	Optical Fiber Patch Cord, SM, SC to LC-3 Meter	84	Per Unit			
7.	Fiber Optic Outdoor Armored 12 core (SM)	5300	Meter			
8.	LIU, 48 Fiber, Rack mount (LC)/(SM)	5	Per Unit			
9.	LIU, 24 Fiber, Rack mount (LC)/(SM)	2	Per Unit			
10.	LIU, 12 Fiber, Rack mount (SC)/(SM)	19	Per Unit			
11.	SC Pigtails (SM)	504	Per Unit			
12.	19" Wall mount 12U Rack	25	Per Unit			
13.	19" Floor standing 42U Rack	1	Per Unit			
14.	24 Port Jack Panel (UTP CAT 6)	39	Per Unit			
15.	Supply of Duct 15x15	3000	Meter			
16.	Supply of Duct 45x25	1250	Meter			
17.	Supply of Duct 30x25	1400	Meter			
18.	Supply of Duct 45x45	750	Meter			
19.	Conduit Pipe 40mm	1350	Meter			

20.	Conduit Pipe 32mm	1650	Meter			
21.	Supply of 2" HDPE PVC Jacket	4400	Meter			
22.	Supply of Buffer tubing kit	504	Per Unit			

<b>B.</b>	<b>Installation Items</b>						
<b>Sl. No.</b>	<b>Item</b>	<b>Qty.</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Service Tax Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>	
1.	Laying of UTP CAT6 Cable	25300	Meter				
2.	Installation of Information Outlet	460	Per Unit				
3.	LAN Survey & documentation	460	Per Unit				
4.	Installation of Jack panel	460	Per Unit				
5.	Testing of Nodes	460	Per Unit				
6.	Installation of Duct 15x15	3000	Meter				
7.	Installation of Duct 45x25	1250	Meter				
8.	Installation of Duct 30x25	1400	Meter				
9.	Installation of Duct 45x45	750	Meter				
10.	Installation of Conduit Pipe 40mm	1350	Meter				
11.	Installation of Conduit Pipe 32mm	1650	Meter				
12.	Installation of 2" HDPE PVC Jacket	4400	Meter				
13.	Laying of Outdoor armored Fiber Cable	5300	Meter				
14.	SC/LC Pigtails splicing on Fiber Cable	504	Per Unit				
15.	Installation of Buffer tubing kit	504	Per Unit				
16.	Performance testing of laid fiber optic cable continuity	504	Per Link				
17.	Installation and termination of fiber termination Unit	504	Per Unit				
18.	Fixing of 19", 12U Rack	25	Per Unit				
19.	Fixing of 19", 42U Rack	1	Per Unit				
20.	Removal of Old UTP Cable	16240	Meter				
	<b>Total Price (In Rs.)</b>						

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XIV**

**Proforma of Financial Bid Passive Components of Wi-Fi Network of Parliament House (PH), New Delhi**

<b>A.</b>						
<b>Supply Items</b>						
<b>Sl. No.</b>	<b>Item</b>	<b>Qty.</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>VAT Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	UTP Cable CAT 6 (305 Meters Box)	12	Per Box			
2.	UTP Cable CAT 6 Information Outlet (Single)	65	Per Unit			
3.	UTP Cable CAT 6 Patch Cord 3 feet	65	Per Unit			
4.	UTP Cable CAT 6 Patch Cord 7 Feet	65	Per Unit			
5.	Wire Manager	13	Per Unit			
6.	Optical Fiber Patch Cord, SM, SC to LC-3 Meter	26	Per Unit			
7.	Supply of Duct 15x15	650	Meter			
8.	Supply of Duct 30x25	400	Meter			

**B. Installation Items**

<b>Sl. Per Unit</b>	<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Service Tax per Unit (in Rs.)</b>	<b>Total Unit price (in Rs.)</b>
1.	LAN Nodes		Per Unit			
2.	Wi-fi accesses points	73	Per Unit			
<b>Total Price (in Rs.)</b>						

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XV**

**Proforma for Financial Bid of Passive Components of LAN of Parliament House  
Annexe (PHA), Lok Sabha, New Delhi**

A.	Supply Items					
Sl.No.	Item	Qty	Unit	Unit Price (in Rs.)	VAT Per Unit (in Rs.)	Total Unit Price (in Rs.)
1.	UTP Cable CAT 6 (305 Meters Box)	147	Per Box			
2.	UTP Cable CAT 6 Information Outlet (Single)	815	Per Unit			
3.	UTP Cable CAT 6 Patch Cord 3 ft	815	Per Unit			
4.	UTP Cable CAT 6 Patch Cord 7 ft	815	Per Unit			
5.	Wire Manager	56	Per Unit			
6.	Optical Fiber Patch Cord, SM, SC to LC – 3 mtr.	220	Per Unit			
7.	Fiber optic Outdoor armoured 12 core (SM)	4305	Meter			
8.	LIU, 48 fiber, Rack mount (SC) (SM)	17	Per Unit			
9.	LIU, 12 fiber, Rack mount (SC) (SM)	42	Per Unit			
10.	SC Pigtails (SM)	1308	Per Unit			
11.	19" wall mount 12 U Rack	44	Per Unit			
12.	19" Floor standing 42 U Rack	2	Per Unit			
13.	24 Port Jack Panel (CAT 6)	56	Per Unit			
14.	Supply of Duct (15 x 15)	4500	Meter			
15.	Supply of Duct (45 x 25)	2250	Meter			
16.	Supply of Duct (30 x 25)	3000	Meter			
17.	Supply of Duct (45x 45)	2000	Meter			
18.	Supply of 2" HDPE PVC	4200	Meter			
19.	Supply of Buffer tubing kit	1308	Per Unit			
20.	Conduit Pipe (40 mm)	2100	Meter			
21.	Conduit Pipe (32 mm)	2000	Meter			

<b>B.</b>		<b>Installation Items</b>				
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Service Tax Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	Laying of UTP CAT6 Cable	44825	Meter			
2.	Installation of Information Outlet	815	Per Unit			
3.	LAN survey & documentation	815	Per Unit			
4.	Installation of Jack Panel	815	Per Unit			
5.	Testing of Nodes	815	Per Unit			
6.	Installation of Duct (15 x 15)	4500	Meter			
7.	Installation of Duct (45 x 25)	2250	Meter			
8.	Installation of Duct (30 x 25)	3000	Meter			
9.	Installation of Duct (45 x 45)	2000	Meter			
10.	Installation of Conduit Pipe (40 mm)	2100	Meter			
11.	Installation of Conduit Pipe (32 mm)	2000	Meter			
12.	Installation of 2" HDPE PVC	4200	Meter			
13.	Laying of Outdoor armoured fiber cable	4305	Meter			
14.	SC/LC Pigtails splicing on fiber optic cable	1308	Per Unit			
15.	Performance testing of laid fiber optic cable continuity	1308	Per link			
16.	Installation and termination of fiber termination unit	1308	Per link			
17.	Fixing of 19" Rack 12 U	44	Per Unit			
18.	Fixing of 19" Rack 42 U	2	Per Unit			
19.	Supply of Buffer tubing kit	1308	Per Unit			
20.	Removal of Old UTP Cable	32600	Meter			
<b>Total price (In Rs.)</b>						

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XVI**

**Proforma for Financial Bid of Passive Components of Wi-fi Network of Parliament House Annexe (PHA), New Delhi**

<b>A. Supply Items</b>						
<b>Sl. No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>VAT Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	UTP Cable CAT 6 (305 Meters Box)	8	Per Box			
2.	UTP Cable CAT 6 Information Outlet (Single)	45	Per Unit			
3.	UTP Cable CAT 6 Patch Cord 3 ft	45	Per Unit			
4.	UTP Cable CAT 6 Patch Cord 7 ft	45	Per Unit			
5.	Wire Manager	7	Per Unit			
6.	Optical Fiber Patch Cord, SM, SC to LC – 3 mtr.	14	Per Unit			
7.	Supply of Duct (15 x 15)	450	Meter			
8.	Supply of Duct (30 x 25)	320	Meter			
9.	Conduit Pipe (40 mm)	300	Meter			
10.	Conduit Pipe (32 mm)	300	Meter			
<b>B. Installation Items</b>						
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Service Tax Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	Laying of UTP CAT 6 Cable	2475	Meter			
2.	Installation of Information Outlet	45	Per Unit			
3.	LAN survey & documentation	45	Per Unit			
4.	Installation of Jack Panel	45	Per Unit			
5.	Testing of Nodes	45	Per Unit			
6.	Installation of Duct (15 x 15)	450	Meter			
7.	Installation of Duct (30 x 25)	320	Meter			
8.	Installation of Conduit Pipe (40 mm)	300	Meter			
9.	Installation of Conduit Pipe (32 mm)	300	Meter			
<b>Total Price (in Rs.)</b>						



**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XVII**

**Proforma for Financial Bid of Passive Components of LAN of Parliament  
Library Building (PLB), New Delhi**

<b>A</b>	<b>Supply Items</b>					
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>VAT Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1	Optical Fiber Patch Cord, MM, SC to LC – 3 mtr.	148	Per Unit			
2	Optical Fiber Patch Cord, SM, SC to LC – 3 mtr.	16	Per Unit			
3	19", Floor standing, 42 U, Rack	1	Per Unit			
<b>B</b>	<b>Installation Items</b>					
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Service Tax Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1	Fixing of 19", Floor standing, 42 U, Rack	1	Per Unit			
	<b>Total Price (In Rs.)</b>					

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XVIII**

**Proforma for Financial Bid of Passive Components of Wi-fi Network of Parliament Library Building (PLB), New Delhi**

<b>A</b>						
<b>Supply Items</b>						
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>VAT Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	UTP Cable CAT 6 (305 Meters Box)	4	Per Box			
2.	UTP Cable CAT 6 Information Outlet (Single)	24	Per Unit			
3.	UTP Cable CAT 6 Patch Cord 3 ft	24	Per Unit			
4.	UTP Cable CAT 6 Patch Cord 7 ft	24	Per Unit			
5.	Wire Manager	11	Per Unit			
6.	Optical Fiber Patch Cord, OM4, MM, SC to LC – 3 mtr.	25	Per Unit			
7.	Optical Fiber Patch Cord, OM4, SM, SC to LC – 3 mtr	18	Per Unit			
8.	24 Port Jack Panel (UTP CAT 6)	11	Per Unit			
9.	Supply of Duct (15 x 15)	350	Per Unit			
10.	Supply of Duct (30 x 25)	175	Per Unit			
11.	Supply of Conduit Pipe (40 mm)	90	Per Unit			
<b>B.</b>						
<b>Installation Items</b>						
<b>Sl.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Service Tax Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	Laying of UTP CAT6 Cable	1320	Meter			
2.	Installation of Information Outlet	24	Per Unit			
3.	LAN survey & documentation	24	Per Unit			
4.	Installation of Jack Panel	24	Per Unit			
5.	Testing of Nodes	24	Per Unit			
6.	Installation of Conduit Pipe (40 mm)	90	Per Unit			
7.	Installation of Duct (15 x 15)	350	Per Unit			
8.	Installation of Duct (30 x 25)	175	Per Unit			
<b>Total Price (In Rs.)</b>						

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XIX**

**Proforma for Financial Bid of Passive Components of LAN and Wi-fi Network of New Building of Parliament House Annexe, (PHA) New Delhi.**

<b>A.</b>	<b>Supply</b>					
<b>Sl. No.</b>	<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>VAT Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	UTP CAT6 Cable (305 Meters Box)	209	Per Box			
2.	Information Outlet (Single SMB)	1158	Per Unit			
3.	Patch Cord 7 Feet	1158	Per Unit			
4.	Patch Cord 3 Feet	1158	Per Unit			
5.	24 Ports Jack Panel (UTP CAT6)	54	Per Unit			
6.	Wire Manager	54	Per Unit			
7.	19" Floor Standing 42U Rack	2	Per Unit			
8.	19" Wall Mount 12U Rack	18	Per Unit			
9.	Optical Fiber Patch Cord, SM, SC to LC-3 meter,	36	Per Unit			
10.	Optical Fiber Patch Cord SM, SC to SC-3 meter	04	Per Unit			
11.	Fiber Optic Outdoor Armored Cable 12 core (SM)	3350	Per Unit			
12.	LIU, 24 Fiber Rack mount (SC) (SM)	6	Per Unit			
13.	LIU, 12 Fiber, Rack mount (SC) (SM)	11	Per Unit			
14.	SC Pigtails (SM)	480	Per Unit			
15.	Supply of Duct 15x15mm	5700	Meter			
16.	Supply of Duct 30x25mm	4900	Meter			
17.	Supply of Duct 45x25mm	4100	Meter			
18.	Supply of Duct 45x45mm	4600	Meter			
19.	Supply of PVC Conduit 32mm	3000	Meter			
20.	Supply of PVC Conduit 40mm	3000	Meter			
21.	Supply of 2" HDPE PVC Jacket	1200	Meter			
22.	Supply of Buffer Tubing kit	432	Per Unit			

**B.****Installation Items**

<b>Sl. No.</b>	<b>Item</b>	<b>Qty.</b>	<b>Unit</b>	<b>Unit Price (in Rs.)</b>	<b>Service Tax Per Unit (in Rs.)</b>	<b>Total Unit Price (in Rs.)</b>
1.	Laying of UTP CAT6 Cable	63690	Per Unit			
2.	Installation of Information Outlet	1158	Per Unit			
3.	Installation of Cable on Jack Panel end	1158	Per Unit			
4.	Testing of Nodes	1158	Per Unit			
5.	Installation of 42U Rack	2	Per Unit			
6.	Installation of 12U Rack	18	Per Unit			
7.	Installation of Duct 15x15mm	5700	Per Unit			
8.	Installation of Duct 30x25mm	4900	Per Unit			
9.	Installation of Duct 45x25mm	4100	Per Unit			
10.	Installation of Duct 45x45mm	4600	Per Unit			
11.	Outdoor Laying of Fiber Outdoor Armored Cable	2250	Per Unit			
12.	Installation of PVC Conduit 32mm	3000	Per Unit			
13.	Installation of PVC Conduit 40mm	3000	Meter			
14.	Installation of 2" HDPE PVC Jacket	1200	Meter			
15.	SC/AC Pigtails splicing on fiber optic cable	432	Meter			
16.	Installation of Buffer Tubing kit	432	Meter			
17.	Performance testing of laid fiber optic cable continuity	432	Meter			
18.	Installation and termination of fiber termination Unit (LIU) Couples	432	Meter			
19.	LAN Survey and documentation	1158	Per Unit			
20.	Excavation and resurfacing of the soil	200	Per Unit			
21.	Excavation and resurfacing of the concrete	50	Per Unit			
<b>Total Price (In Rs.)</b>						

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XX**

**Proforma for financial bid for Site Certification for twenty years for passive components of LAN & Wi-Fi of the whole site of Parliament House Complex.**

<b>Sl. No.</b>	<b>Item`</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate per unit (in Rs.)</b>	<b>Service Tax per unit (in Rs.)</b>	<b>Total Amount (in Rs.)</b>
1	Nodes of LAN & Wi-Fi	3607	Per Unit			

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XXI**

**Proforma for financial bid for Buy-back of obsolete passive components of LAN**

<b>Sl.No.</b>	<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate per unit (in Rs.)</b>	<b>Total Amount (in Rs.)</b>
1	6 U Rack,	57	Per Unit		
2	9 U Rack	10	Per Unit		
3.	Jack Panel	88	Per Unit		
4.	Fiber Modus	11	Per Unit		
5.	UTP Cable	48840	Meter		
	<b>Total Price (In Rs.)</b>				

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XXII**

**Proforma for Financial Bid for services of One Network Engineer (expert in internet cabling systems) after commissioning of New LAN & Wi-fi.**

<b>Sl. No.</b>	<b>Description</b>	<b>Qualification</b>	<b>Experience</b>	<b>Charges Per Month</b>	<b>Service Tax Per Month</b>	<b>Duration in (Months)</b>	<b>Total Charges (in Rs.)</b>
1.	Network Engineer						

**Tender for Passive Components for LAN and Wi-Fi**

**ANNEXURE -XXIII**

**Site not Ready (SNR) (to be Certificated by NIC)**

1.	Name of Location/site	
2.	Purchase Order No. and Date	
3.	Name of the Equipment	
4.	Name of Vendor	
5.	Date of 1 <sup>st</sup> Visit	
6.	Site Not Ready, Reason	
7.	Tentative Date of Site being Ready for Installation	
8.	Certificate	There is no delay on the part of vendor in getting the equipment installed.

Name : \_\_\_\_\_

(With official Seal) Signature : \_\_\_\_\_

Designation : \_\_\_\_\_

Date: \_\_\_\_\_



Tender for Passive Components for LAN and Wi-Fi

To

\_\_\_\_\_

**Sub: Authorization of OEM for supply, installation, warranty, services.**

Sir,

I/We \_\_\_\_\_(OEM) having my/our registered office \_\_\_\_\_  
(address of the OEM) am/are an established manufacturer of \_\_\_\_\_  
(name of quoted items). I/we \_\_\_\_\_ (name of OEM) solely authorize  
\_\_\_\_\_(Name of the Bidders authorized partner) to supply, install  
and provide warranty support on our quoted product for above mentioned Tender. I/we  
certify that above authorized partner meet the Tender eligibility requirement of this Tender  
defined for OEM's authorized partners. I/we have also **entered into an agreement with  
our authorized partners** that they will supply, install and provide warranty support for this  
Tender on behalf of us.

2. Our full support is extended in all respects for supply, onsite warranty and  
maintenance of our products. I/we shall also ensure to provide the service support including  
supply of spare parts stores for the same for a further period of FIVE years after expiry of  
warranty under the terms and conditions of above Tender.

3. In case of default in execution of this Tender by our authorized partner  
*viz* \_\_\_\_\_(name of the authorized partners), the \_\_\_\_\_(OEM)  
shall own responsibilities for successful execution of contract/warranty/maintenance/service  
support **through ourself or another Authorized partner**.

For \_\_\_\_\_(name of ) Bidder/OEM

**(Authorized signatory)**

**Name & Designation:**\_\_\_\_\_

Note: This letter of authority should be **on the letterhead of the manufacturer** and should  
be **signed by legal head or Marketing Head or CS of OEM**. This may be enclosed with the  
Bid. Any modification done to the above format will not be acceptable.

- For different OEM products –separate letter is to be produced by each OEM.

Tender for Passive Components for LAN and Wi-Fi

UNDERTAKING IN THE FORM OF AFFIDAVIT DULY ATTESTED BY  
EXECUTIVE MAGISTRATE/NOTARY PUBLIC

I/We undertake that: -

- (i) The undersigned certifies that I/We have gone through the terms and conditions of the above Tender notice including services during warranty, complaint redressal and maintenance therefor and undertake to comply with the same. **The rates quoted by myself/ ourself are valid for six months from the last date opening of Financial Bid.**
- (ii) I/We \_\_\_\_\_ do hereby solemnly affirm and declare that the My/Our firm /company/business entity is not blacklisted by any Government Department/Autonomous Organization etc. or prosecuted by any court of law.
- (iii) I/We also confirm that in the event of my/our Tender being accepted, I/We hereby undertake **to execute a contract and to furnish Performance Security** in the form of Demand Draft/Fixed Deposit Receipt from a Commercial Bank/Bank Guarantee from a Commercial Bank in favour of “Drawing & Disbursing Officer, Lok Sabha” payable at New Delhi.

Dated:

Signature of Bidder/Authorized Signatory

(Rubber Seal)

**Tender for Passive Components for LAN and Wi-Fi etc.**

**LETTER OF AUTHORIZATION FOR ATTENDING OPENING OF BID**

**Sub. Authorization for attending the opening of Technical Bid on .....and financial Bid on .....of the Tender** Supply and installation of Passive Components for LAN of PH (ii) Supply and installation of Passive Components for LAN of PHA (iii) Supply and installation of Passive Components for LAN of PLB (iv) Supply and installation of Passive Component for Wi-Fi in PH (v) Supply and installation of Passive Component for Wi-Fi in PHA, (vi) Supply and installation of Passive Component for Wi-Fi in PLB (vii) Supply and installation of Passive Components of LAN & Wi-Fi in A and B Block of New Building, PHA, (viii) Supply and installation of Passive Components of Fibre backbone outdoor, (ix) Buy back of old items (x) dismantling of existing LAN (xi) Site Certification and (xii) Hiring of Services of Network Engineer

The under-mentioned person is hereby authorized to attend the Bid opening for the Tender mentioned above on behalf of.....  
.....(name of the Bidder)

Name specimen signature

Alternative representative

Name specimen signature

**Name of the Bidder/ Authorized signatory  
(Rubber seal)**

Tender for Passive Components for LAN and Wi-Fi etc.

Support (Infrastructure available with Bidder)

<b>Sl No.</b>	<b>Name of State/Region</b>	<b>Contact details such as Names, Address, Phones, e-mails website etc.</b>	<b>Own/Franchisee Support Centers</b>	<b>Manpower</b>
1	Delhi/NCR			