

# MCM DAV College for Women

## Sector 36-A, Chandigarh (U.T.)

DATED : January 9, 2018

Tender for Supply, Installation, Configuration, Testing and  
Commissioning of secured Wi-Fi Network

at

MCM DAV College for Women, Sector 36-A, Chandigarh.

Date of Issue of Tender form : January 9, 2018

Date & Time for submission of Tender Document : From 9-1-2018 to 24-1-2018 up to 11.00 a.m.

Date & Time for Opening of Tender : On 25-1-2018 at 11.30 a.m.

To,

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Subject : Tender for Supply, Installation, Configuration, Testing and Commissioning of secured Wi-Fi Network at MCM DAV College for Women, Sector 36-A, Chandigarh.

MCM DAV College for Women, Chandigarh invites bids from the interested agencies for providing Wi-Fi facility at the MCM DAV College for Women, Sector 36-A, Chandigarh.

You are required to quote for complete solution (which shall include Supply, Installation, configuration, Testing and Commissioning) for providing secured Wi-Fi network at MCM DAV College for Women, Sector 36-A, Chandigarh, covering all the academic floors (Arts, Science, Commerce and PG), administration block, library, multimedia hall, auditorium and hostels of the college.

You may submit your bids in this regard as per the following Annexures :

1. Scope of Work : Scope of the work is described in Para '2' of tender specifications.
2. Terms & Conditions : All Terms and conditions described in all the paras of tender specification.
3. Tender Form : The tender is to be submitted in two bids i.e. Technical bid and Financial bid. Technical bid must include an Earnest Money Deposit of Rs. 20,000 /- (Twenty Thousand only) in the form of Bank Draft / Bankers Cheque in the favour of "Principal, MCM DAV College for Women, Chandigarh" and other documents essentially required to verify the eligibility criteria. The financial bids of only technically qualified bidders will be opened. Bidders must ensure that all requisite documents for verifying the eligibility criteria are provided in the technical bid.

The tender is to be submitted in the sealed envelope superscribed with "Tender for Supply, Installation, Configuration, Testing and Commissioning of secured Wi-Fi network at MCM DAV College for Women, Sector 36-A, Chandigarh" in the Accounts branch of the college latest by 11.00 a.m. on 24<sup>th</sup> January, 2018. The tender (technical bid) shall be opened on 25-1-2018 at 11.30 a.m. You may be represented at the time of the said opening of the tenders. Tenders received after the due date / time and /or not accompanied with the Earnest Money Deposit and / or not accompanied with the requisite documents shall not be considered at all. Principal, MCM DAV College for Women reserves all the rights to reject any or all the tenders without assigning any reason, whatsoever.

  
**Dr. Nisha Bhargava**  
[ Principal ]

# MCM DAV College for Women

## Sector 36-A, Chandigarh (U.T.)

Subject : Specifications for Supply, Installation, Configuration, Testing and Commissioning of secured Wi-Fi Network at MCM DAV College for Women, Sector 36-A, Chandigarh.

### 1. Introduction :

MCM DAV College for Women, Sector 36-A, Chandigarh invites bids from the eligible bidders for “Supply, Installation, Configuration, Testing and Commissioning of secured Wi-Fi network at the MCM DAV College for Women, Sector 36-A, Chandigarh” for the secured access of internet by its staff, students and guests. Legitimate users should be able to access internet through mobiles, laptop, i-phone, Mac, tablet, desktop etc. (using Wi-Fi facility) in all rooms and corridors of the academic blocks -Arts, Science, Commerce and PG (All floors), administration block (All floors), library, multimedia hall, auditorium and hostels of the college.

### 2. Scope of Work :

- a) Conducting a site survey for understanding the implementation, consideration for providing secured Wi-Fi network at MCM DAV College for Women in accordance to the requirement.
  - i. Meet with the most appropriate wireless technology and architecture as detailed in our BoQ and your best offer for College environment.
  - ii. All the APs installed are to be centrally managed through a WLAN controller for the entire campus.
  - iii. To offer 8 hours x 6 days support for the 1 year warranty of support on as-is-required basis without any delay.
  - iv. Two days training of two employees of the college should be provided after successful installation of Wi-Fi network.
  - v. All the updates as is available for the active components during the course of warranty shall be provided free of cost.
  - vi. Development of network design document that describes the locations of each access point, it's coverage area and the channel selection for the access point (with at least 4 Mbps download and 2 Mbps upload capacity)

**b) Supply :**

Procurement of Wi-Fi Access Points (Indoor and Outdoor), WLAN Controller, LAN Cable, Switch, UTM and other accessories for providing complete Wi-Fi solution at MCM DAV College for Women, Chandigarh

**c) Installation :**

- i. Provide fiber connectivity to each building from Data Center.
- ii. Provide wall mount rack(s) at each floor at MCM DAV College for Women. (If required)
- iii. Install indoor/outdoor access points, related accessories in the College Campus.
- iv. Network Cabling to be done for access points in every floor of building from the rack with proper information outlets, jack panels, PVC conduits and accessories to provide internet connectivity.
- v. Security boxes/cages are to be provided by the bidder for the access points.

**d) Configuration :**

WLAN Controller and Access Points should be configured properly and should be integrated with existing network.

**e) Testing :**

Testing of Wi-Fi system to ensure coverage in College Campus. The Coverage criteria shall be:

- i. Download speed (Minimum) : 4 Mbps
- ii. Upload speed (Minimum) 2 Mbps

Wi-Fi signal should be available for the use of legitimate users only within the College.

**f) Commissioning :**

Commissioning and handover of the wireless network at MCM DAV College to the competent authority after successful testing of the system. Training is to be imparted to Technical Team of the College on the administration and troubleshooting of the wireless network before commissioning of system.

**g) Warranty and Technical Support :**

Warranty and Technical Support for a period of one year from the date of commissioning of the Wireless Network which shall also include :

- i. Upgradation of latest updates/patches for WLAN Controller and access points for better connectivity shall be provided by the bidder.

**h) MCM DAV College for Women, Chandigarh will Provide :**

- i. Internet Leased Line connection.
- ii. Normal Power Supply
- iii. Permission to authorized representatives of the bidders for conducting survey.
- iv. Permission to authorized representatives of successful bidder for carrying out installation and maintenance work at MCM DAV College for Women, Sector 36, Chandigarh.

**3. Eligibility Criteria :**

- a) The bidder shall be a Company registered under the Companies Act, 1956 or a Partnership registered under the Indian Partnership Act, 1932 for the last ten years and should be in the business of developing secured Wi-Fi solution for Govt/ PSU / Private organizations. The bidder should have minimum annual turnover of Rs. 15 Crore for the last three financial years.
- b) The bidder must be a single entity. Consortiums will not be allowed to participate in the procurement process. The bidder should not have been blacklisted or debarred from participating in tendering by the Central Govt. / State Govt. / other Govt. bodies or under a declaration of ineligibility or corrupt or fraudulent practices.
- c) The bidder should be authorised partner for this tender. MAF from the OEM i.e. Switching & Wi-Fi, UTM and Passive components shall be attached; in absence of MAF for any of these four components, the tender shall stand rejected automatically.
- d) The bidders should have relevant experience in the field of developing Wi-Fi solutions and should have executed atleast one order of 40 access points.
  - i. Bidder must provide documentary proof in support of their similar work experience like work order, contract agreements, completion certificate / accepted final bill / payment certificate / vouchers indicating the period of work for which the payment has been made.
  - ii. Bidders must have service tax registration and PAN number.
  - iii. Bidders must provide audited balance sheet / Financial statements for last three financial years. (2014-15, 2015-16, 2016-17).
- e) Bidder should have office in Chandigarh / Panchkula / Mohali. Details about office address and contact number should be provided.

- f) The bidder will be considered for further participation only after the qualification as per above criteria.

**4. Instructions to Bidders :**

- i. The bids shall be unconditional, firm and valid for at least 180 calendar days from the date of submission of the bid.
- ii. The bidders shall submit their offers in two sealed parts namely, "Technical bid" and "Financial bid", marked as such along with the bidder's name, strictly in the format given in this document.
- iii. The technical proposal should be in a single sealed envelop, clearly marked as "Technical Proposal from <<Bidder Name>>". The financial proposal should be in a separate sealed envelop, clearly marked as "Financial Proposal from <<Bidder Name>>".
- iv. Both the bids (Technical & Financial) should be submitted in one sealed envelope clearly marked as "Tender for Supply, Installation, Configuration, testing and commissioning of secured Wi-Fi network at MCM DAV College for Women, Sector 36-A, Chandigarh". The bidder's address should be mentioned on the envelop.
- v. Any proposal received by MCM DAV College for Women, Chandigarh after the date and time specified in the tender shall be rejected.
- vi. The bids submitted by fax/ email etc. shall not be considered. No correspondence will be entertained on this matter. MCM DAV College shall not be responsible for any postal delay or non-receipt / non-delivery of the documents. No further correspondence on the subject will be entertained.
- vii. Any fault by the bidder in respect of the tender terms and conditions will lead to rejection of the bid.
- viii. MCM DAV College for Women, Chandigarh reserves the rights to reject any or all proposals without assigning any reasons thereof.
- ix. The bids shall be opened in the presence of bidders or their authorized representatives on the appropriated date. The bidder's representatives who will be present shall sign an attendance sheet. Letter of authorization shall be submitted by the bidders before they are allowed to participate in bid opening (A Format is given in Annexure – III).
- x. A maximum of two representatives of any bidder shall be permitted to attend the bid opening.

- xi. The bidder's name, modification, bid withdrawals and such other details, as considered appropriate by the authority, will be announced at the time of opening of bids.
- xii. If the date fixed for opening of bids is declared a holiday by the authority, the revised date of opening will be the next working day.
- xiii. The response to this tender shall be full and complete in all respects. Failure to furnish all information required in the tender document or submission of a proposal not substantially responsive to the tender documents in every respect will be at the bidder's risk and may result in rejection of the proposal.
- xiv. The bidders shall be responsible for the costs associated with the preparation of their bids, site survey and participation in the bidding process. MCM DAV College for Women, Chandigarh will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the bidding process.
- xv. All communication / documents submitted with the bid including a copy of this tender and the bid documents must be signed on each page by the authorized representative of the bidder. The signature on the each page of the copy of the tender document means that the bidder complies with all paras of the tender. Non-compliance if any should be clearly mentioned and highlighted.
- xvi. All the related documents submitted by the Firm in Photo / Xerox copies in their offer must be clearly visible, otherwise the offer submitted by the Firm will be outrightly rejected.
- xvii. Amendment to the Tender Document :
  - a. At any time, prior to the date of submission of bids, MCM DAV College for Women, Chandigarh may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify this tender.
  - b. The amendments shall be notified on the College website i.e. [www.mcmdavcw-che.edu](http://www.mcmdavcw-che.edu) and these amendments will be binding on all bidders.
  - c. In order to provide the prospective bidders a reasonable time to take the amendment into account in preparing their bids, MCM DAV College for Women, Chandigarh, may at its discretion, extend the deadline for the submission of the bids suitably.

## 5. Documents required for Technical Bid and Financial Bid

### A) Technical Bid :

The technical bid must contain following :

- i. Copy of Certificate of incorporation / Certificate of Registration of the bidder.
- ii. Company profile such as Partnership / Proprietorship / Memorandum & Article of association of company.
- iii. Annexure – I (Technical Bid Submission) duly filled in and signed in the letter head of the company.
- iv. Copy of the bidder's audited Balance Sheet / Annual Report for the last three financial years.
- v. A self certified letter by the authorized signatory of the bidder stating that the bidder is not blacklisted or debarred from tendering by the Central Govt. / State Govt. / Other Govt. bodies or under a declaration of ineligibility for corrupt or fraudulent practices as on the last date for submission of the bid.
- vi. Earnest Money Deposit (EMD) for Rupees Twenty Thousand.
- vii. Relevant Experience of the bidder in the field of providing secured Wi-Fi solutions as defined in the eligibility criteria (Copies of relevant documents duly signed by authorized representatives may be attached.)
- viii. Details of minimum two clients along with the work orders as per the details given in the eligibility criteria.
- ix. A copy of the tender document duly signed on each page by the authorized signatory for endorsing the compliance to all clauses of tender by the bidder.
- x. All other relevant documents required as evidence of meeting technical evaluation criteria and eligibility criteria.
- xi. The bidders is free to submit any additional information like sample work etc. which may be relevant for evaluation of the tender.
- xii. If required, the bidder may also be required to make demonstration and presentation about the details of their proposal and its capability to designated officers.
- xiii. Completeness of Response :
  - Bidders are advised to study all instructions, forms, terms, requirements and other information in the tender documents carefully. Submission of bid will be deemed to have been done after careful study and examination of the tender document with full understanding of its implications.



- The response to this tender shall be full and complete in all respects. Failure to furnish all information required by the tender documents or submission of a proposal not substantially responsive to the tender documents in every respect will be at the bidder's risk and may result in rejection of its proposal.
- The bidders shall be responsible for the cost associated with the preparation of their bids and their participation in the bidding process. MCM DAV College for Women, Chandigarh will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the bidding process.
- All communications / documents submitted with the bid including a copy of this tender and the bid document will be signed on each page by the authorized representative of the bidder. The signature on each page of the copy of the tender document means that the bidder complies with all paras of the tender. Non compliance if any should be clearly mentioned and highlighted.

**B) Financial Bid :**

The bidder must give financial bid as per the price bid format given in Annexure – II. The bidders are also mandatorily required to give details for arriving at each of the figure separately. The details of taxes wherever applicable must also be mentioned. No cutting / over-writing or hand written price bid would be accepted.

**6. Evaluation Procedure:**

The evaluation of technical bids shall be undertaken by a committee of the officers duly constituted for this purpose. The technical evaluation would be based on the following:

- i. The assessment of bidders meeting the eligibility criteria.
- ii. The assessment of technical capability of bidder to carry out desired scope of work.
- iii. The assessment of the capability of bidder to carry out desired scope of work in stipulated time as assessed on the basis of carrying out past works in preceding three years.
- iv. The financial bids of only those bidders will be opened whose bids will be found technically suitable.
- v. From the time the technical bids are opened to the time the contract is awarded, the bidder should not contact MCM DAV College for Women, Chandigarh on any

matter related to its Technical and / or Financial Proposal. Any effort by a bidder to influence MCM DAV College for Women in the examination, evaluation and recommendation for award of contract may result in the rejection of the bid.

- vi. On the basis of technical evaluation the eligible entities shall be identified and their financial bids shall be opened. The lowest bidder giving cost effective solution will be awarded the work subject to meeting all terms and condition and criteria.
- vii. Evaluators of Technical Proposal shall have no access to the Financial proposals until the technical evaluation is concluded.

**7. Contract Period : One Year**

Successful bidder shall enter into a contract agreement with MCM DAV College for Women, Chandigarh within one week of issue of Letter of Intent for delivering the services as per scope of work and all terms and conditions of this tender for the period of ONE-YEAR from the date of commissioning of Wi-Fi network.

**8. Payment Terms :**

- i. 80% of Payment after successful supply, installation, configuration, testing and commissioning of ordered Equipments.
- ii. Balance 20% Payment after successful completion of one year warranty period as per point no. 10 from the date of commissioning.
- iii. No advance payment will be made.
- iv. All payments will be made in Indian Rupees.

**9. Delivery period :**

Successful bidder would be required to supply the ordered material with in 4-6 weeks and shall be executed, configured and commissioned in next 4 weeks.

**10. Warranty : One Year Comprehensive On-Site Warranty Support**

- i. The offered hardware (and software) will carry one year all inclusive comprehensive onsite warranty support from the date of commissioning.
- ii. Service engineers should report on-site within 1 hour for attending the fault during the entire one year comprehensive and warranty period.
- iii. During the warranty period successful bidder will be required to address all issues related to offered hardware and software.
- iv. In addition, all product upgrades are to be offered as part of warranty.

- v. The service engineer shall attend the call on all working days including Saturday from 9:00a.m to 6:00p.m.
- vi. The downtime should be less than 8 hours. If the downtime exceeds 24 hours at a stretch then the duration of such downtime will be added to the warranty period and the warranty extended accordingly.
- vii. The warranty start and end date will be counted from the date of commissioning and not from the date of shipment / billing. "Comprehensive on-site warranty with on-site support and service for both Parts and labour" means that the engineer should visit the site / location where the problem is reported, then identify and troubleshoot the problem and replace.
- viii. One year hardware warranty with on-site replacement by the bidder within 3 working days. The vendor shall provide software fixes and updates to the access points available as part of the warranty.

#### **11. Earnest Money Deposit (EMD)**

- i. Bidders shall submit along with their Bids, EMD of Rs. 20,000/- (Rs. Twenty Thousand Only) in the form of a Demand Draft / Banker's Cheque / Bank Guarantee in favour of Principal, MCM DAV College for Women, Chandigarh payable at Chandigarh. EMD in any other form shall not be entertained. The EMD shall be denominated in Indian Rupees only. No interest will be payable to the Bidder on the amount of the EMD. Bids submitted without the EMD shall be summarily rejected.
- ii. An unsuccessful Bidder's EMD will be discharged / returned / refunded as promptly as possible, but not later than 30 days after the award of the contract to the successful bidder.

#### **12. The EMD may be forfeited**

If a Bidder withdraws his bid or increases his quoted prices during the period of bid validity or its extended period, if any,

or

If the successful bidder fails to submit the performance guarantee or sign the contract within the specified time.

#### **13. Penalty Clause :**

- i. In case of fault in performance on the part of the Agency, MCM DAV College for Women, Chandigarh shall decide the penalty to be imposed for such fault

considering the quantum and other related factors which shall be deducted from the payments that will be due to the agency.

- ii. In case the agency fails to render the services as per the terms and conditions of tender and subsequent work order and if the services are not up to the satisfaction of MCM DAV College for Women, Chandigarh, the College shall be at liberty to terminate the contract and forfeit the Bank Guarantee and get the amount credited to college account.
- iii. In case of any breach of terms of the contract agreement the agency shall be liable to penalty / legal action as the circumstances warrant as assessed by MCM DAV College for Women, Chandigarh.

#### **14. Liquidated Damages**

If the bidder / supplier, after accepting the Purchase Order, fails to deliver any or all of the Goods within the period specified in the order, MCM DAV College for Women, Chandigarh shall, without prejudice to its other remedies under the Rules of Purchase, proceed to cancel the order or agree to accept a delayed delivery on the condition of payment of liquidated damages by the bidder / supplier a sum equivalent to 0.25% of the cost of undelivered material as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof delay until actual delivery or performance is completed and such penal charges shall be limited to maximum of 5% of total cost. Once the maximum is reached, MCM DAV College for Women, Chandigarh may proceed on its own to consider the termination / cancellation of the order.

#### **15. Security Deposit / Performance Bank Guarantee (PBG) :**

- i. The successful bidder(s) to whom letter of intent is issued shall have to sign the contract and furnish a Performance Bank Guarantee of 5% of the accepted bid value within 7 days of the receipt of the Letter of Intent. PBG should be valid for the period of One year and six months from the date of issue.
- ii. Performance security shall be submitted in the form of a Bank Guarantee issued by an any scheduled bank. The Performa for the Bank Guarantee is available at Annexure – IV of the Bid document.
- iii. If the successful bidder fails to discharge or neglects any of the bid obligations under the contract, it shall be lawful for MCM DAV College for Women, Chandigarh to forfeit either whole or any part of performance security furnished by the bidder as penalty for such failure. The proceeds of performance security shall be payable to

MCM DAV College for Women, Chandigarh as compensation for any loss resulting from bidder's failure to fulfil its obligations under the contract.

- iv. The security deposit, submitted by the company shall be returned to the company after completion of the contract to the satisfaction of MCM DAV College for Women, Chandigarh without any interest for the period it was under deposit with the College. However, the security deposit whether submitted by the company in form of demand draft / pay order or bank guarantee shall be liable to be forfeited for any deficiency in its services.

#### **16. Amendment to the Tender Document**

- i. At any time, prior to the date of submission of bids, MCM DAV College for Women Chandigarh may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify this tender.
- ii. The amendments shall be notified on the college website i.e. [www.mcmdavcw-chd.edu](http://www.mcmdavcw-chd.edu) and these amendments will be binding on all bidders.
- iii. In order to provide the prospective bidders a reasonable time to take the amendment into account in preparing their bids, MCM DAV College for Women may, at its discretion, extend the deadline for the submission of bids suitability.

#### **17. General Terms and Conditions :**

- i. Bidders are required to inspect the site, existing system and the surroundings and the information available in connection with and have satisfied themselves as far as is practicable before submitting the tender about the form and nature of work / works, the goods and materials necessary for completion of work, means of access to site and all other circumstances which may influence and effect the contract. For site inspection, bidders may approach Admn. Branch of the college.
- ii. The bidder, when called upon, shall enter into and execute a contract agreement as may be necessary.
- iii. The Contractor shall be fully and finally responsible for proper erection, safe and satisfactory operation of the Wi-Fi system and equipment under his scope of work to the entire satisfaction of college authorities.
- iv. Work shall be executed in accordance with the direction, instruction, approved drawings and specifications.
- v. If in the opinion of the contractor any work is insufficiently specified and requires modification, the contractor shall refer the same to the MCM DAV College for

Women, Chandigarh and obtain instruction / approval before proceeding the work. If contractor fails to refer such instance, any excuse for faulty erection, poor workmanship or delay in completion shall not be entertained. Equipment and material which are wrongly installed shall be removed and reinstalled to comply with requirement, at contractor's expense to the satisfaction of the College authorities.

- vi. In case of package work item / accessories not specifically mentioned but needed for successful commissioning of system shall be deemed to be included and has to be provided by contractor free of cost as relevant to this work.
- vii. Various technical parameters / data furnished to the contractor may undergo some minor changes during detail design / execution stage. This shall be carried out by the contractor without any increase in contract price.
- viii. All statutory rules and regulations including Electricity rules, TRAI guidelines etc. viz. Central / State and Local as application will be followed during construction / implementation stage.
- ix. All safety regulations, code of practice for power supply, manufacturing, installation, erection, commissioning etc. envisaged by the Central Govt. / State Govt. Statutory Body / Independent Authorities / Bodies shall be strictly complied without increase in cost.
- x. The contractor shall be fully responsible for safe working of his persons and shall provide all material to his workmen related to their safety. MCM DAV College for Women, Chandigarh shall have full power to stop any workman from working if safety is being ignored in any way.
- xi. The contractor shall employ only competent, skilful and orderly men for execution of each and every job. MCM DAV College for Women shall have right to ask the contractor to remove from the work site any men of the contractor who in college's opinion is undesirable and the contractor will have to remove him within three hours of such orders. All the workmen employed by the contractor should carry identity card and relevant authorization certificate.
- xii. Subletting of the work by the contractor is not permitted
- xiii. Duration of work : The work should be completed in all respects including handing over within specified time from the date of commencement of work.
- xiv. Place of Work : MCM DAV College for Women, Sector 36-A, Chandigarh
- xv. Storage of Material : Storage of all equipment / components / material required for this work shall be the responsibility of the contractor. However, a lockable covered

space may be provided by the college, if available, for storage purpose free of cost. It will be the responsibility of the contractor to safe guard the material against any losses due to fire / theft damages etc. till the system is handing over to owner as per contract. Contractor has to provide all watch and ward and due protection to work and material.

- xvi. The bidder should intimate about the sufficiency of input material required to complete the work in stipulated time period. No tools, machine etc. required for execution of the work shall be provided by the College.
- xvii. TRAINING : Successful bidder will be required to provide two days training to designated staff of the college on upkeep and administration of offered Wi-Fi network. No extra payment shall be made over and above the contract price.
- xviii. FIRM & FIXED PRICE : This shall be a firm & fixed price contract till completion of work. The price shall be inclusive of all taxes, duties, levies, transportation, insurance, entry tax etc. No escalation shall be applicable till successful completion of work.
- xix. The item to be used is strictly according to the specifications of the products manufactured by reputed companies and subject to test by the college authorities. It must be delivered and installed in good working condition.
- xx. Incomplete or conditional tender will be rejected.
- xxi. The order will be based on the actual requirement at the time of ordering, optional items may also be ordered based on the actual requirements at the time of ordering. Not quoting for this may result in disqualification.
- xxii. MCM DAV College for Women reserves the right to modify or alter the specification after short listing of tenders.
- xxiii. MCM DAV College for Women reserves the right to change the order quantity or split the orders among multiple vendors without assigning any reason(s) whatsoever.
- xxiv. MCM DAV College for Women reserve the right to reject any or all the tenders without assigning any reasons whatsoever.
- xxv. MCM DAV College for Women reserve the right to increase / decrease the number of quantities of the items to be purchased.
- xxvi. The agencies should submit their rates as per the format given in Annexure – II of this tender. All the pages of the bid should be signed affixing the seal. All corrections and overwriting should be initialled.

- xxvii. Failure to comply with all the terms and conditions mentioned herein would result in the tender being summarily rejected.
- xxviii. The manufacturers of the quoted make of the product must be of national / international repute and having ISO certificate.
- xxix. Complete user, technical and service documentation and spare parts catalogue are to be provided along with the supply of the item.
- xxx. Registering of users: The service provider will be responsible for registration of users, allocation of username, password etc.

#### **18. Indemnification :**

The service provider shall comply with all laws in force in India. The laws will include all national, provincial, municipal or other laws that affect the performance of the contract and are binding upon the service provider. The service provider shall indemnify and hold harmless the College from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from the violation of such laws by the service provider or its personnel but without prejudice. Any claim by a third party arising on account of misconduct, breach of confidentiality and security of data, negligence or wrongful acts by employees of service provider shall be the responsibility of the service provider. The service provider shall not indemnify the college to the extent that such liability, damages, claims, fines, penalties and expenses were caused or contributed to by a fault of MCM DAV College for Women, Chandigarh.

#### **19. Miscellaneous :**

- i. **Termination of Contract:** Principal, MCM DAV College for Women, Sector 36-A, Chandigarh may, in her sole discretion, decide to terminate the contract at any stage without assigning any reason.
- ii. **No resources of MCM DAV College for Women, Chandigarh to be used :** The successful bidder shall not be allowed to use the staff / resources / space for carrying out its contractual obligations.



## Technical Bid Submission

The Principal,  
MCM DAV College for Women  
Sector 36-A, Chandigarh (U.T.)

Subject : **Submission of proposal in response to the Tender for Supply, Installation, Configuration, Testing and Commissioning of secured Wi-Fi Network at MCM DAV College for Women, Sector 36-A, Chandigarh.**

Respected Madam,

1. Having examined the tender document, we the undersigned, herewith submit our proposal in response to your tender Notification for **“Supply, Installation, Configuration, Testing and Commissioning of secured Wi-Fi Network at MCM DAV College for Women, Sector 36-A, Chandigarh”** full conformity with the said tender document.
2. We have read the provisions of the tender document and confirm that these are acceptable to us. We further declare that additional conditions, variations, deviations, if any, found in our proposal shall not given effect to.
3. We agree to abide by this proposal, consisting of this letter, the detailed response to the tender and all attachments, for a period of 180 days from the closing date fixed for submission of proposals as stipulated in the tender document.
4. We would like to declare that we are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this assignment and we are not under a declaration of ineligibility for corrupt or fraudulent practices.
5. If our bid is accepted, we will submit the performance guarantee of a Scheduled Bank for an amount of 10% accepted bid price within seven days.
6. Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.
7. We understand that you are not bound to accept the lowest or any bid, you may receive.
8. We have submitted the required bid security Rs. 20,000/- as per tender requirement.

Dated this                      day of 2017

(Signature)

Duly authorized sign to sign the Bid response for and on behalf of  
(Name and Address of Company)      Seal / Stamp :

## Price Bid

**The Principal,  
MCM DAV College for Women  
Sector 36-A, Chandigarh (U.T.)**

Respected Madam,

With reference to the tender dated     /     /     **for Supply, Installation, Configuration, Testing and Commissioning of secured Wi-Fi Network at MCM DAV College for Women, Sector 36, Chandigarh**, we have carefully studied its scope of work and deliverables and based on these, we submit our best rates for carrying out the desired scope of work as below :

**I : College (Academic and Administration Blocks)**

Part A : Material						
S. NO.	Make and Model No.	Description	Qty.	UoM	Rate Per Unit	Total Amount
1	Cisco	SG550XG-8F8T	1	Nos		
2	Cisco	SG350X-24MP	4	Nos		
3	Cisco	Fiber Transceiver Single Mode	12	Nos		
4	Cisco	WLAN Controller AIR -CT2504-50-K9	1	Nos		
5	Cisco	AP License for WLAN Controller	50	Nos		
6	Cisco	Indoor AP WAP321	30	Nos		
7	Cisco	Outdoor AP AIR-CAP1532I-x-K9	4	Nos		
8		Unified Threat Management for 2000 Concurrent Users with 3 Year Subscriptions	1	Nos		
9	Comrack	Rack 12U with Accessories	1	Nos		
10	Comrack	Rack 9U with Accessories	3	Nos		
11	Schneider	6 Core Single mode Optical Fiber Cable	350	Meter		
12	Schneider	LIU 24 ports Rack Mount	1	Nos		
13	Schneider	LIU 12 ports Rack Mount	3	Nos		
14	Schneider	SM LC Adapter Duplex SM	36	Nos		
15	Schneider	SM LC Pigtail simplex SM	72	Nos		
16	Schneider	1*6 LC Connecting Panel	12	Nos		
17	Schneider	SM LC-LC Patch Cord-1 meter	14	Nos		
18	Schneider	Cat6 24-Port Loaded Patch Panel	4	Nos		
19	Schneider	UTP Cat 6 Cable 305 Meter Box	4	Nos		
20	Schneider	Cat6 UTP 1 Meter Patch Cord	100	Nos		
21	Schneider	Cat6 Information Outlet - Jack	50	Nos		
22	Schneider	Face Plate - Single Port	50	Nos		
23	Schneider	Surface Mount Box	50	Nos		
24	ISI Mark	1" PVC Pipe - ISI	400	Meter		
25	ISI Mark	1.5" PVC Pipe - ISI	300	Meter		
26	ISI Mark	HDPE Conduit	700	Meter		
<b>Total of Part – A (1 to 26)</b>						

Signature of bidder

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Part B : Services						
27		Laying of UTP Cable	1520	Meter		
28		Laying of PVC Conduit	700	Meter		
29		Laying of Fiber	700	Meter		
30		Laying of HDPE Conduit	700	Meter		
31		Installation of LIU	7	Nos		
32		Splicing of Pigtail	72	Nos		
33		Fixing & Termination of I/O	50	Nos		
34		Fixing & Termination of Patch Panel	7	Nos		
35		Fixing of Rack	7	Nos		
36		Fixing of Access Point	41	Nos		
37		Project Management Charges including installation & configuration of Active Components and Project Documentation.	1	Lump-Sum		
38		Digging - Hard Soil	70	Meter		
39		Digging – Soft Soil	200	Meter		
<b>Total of Part – B (27 to 39)</b>						
<b>Total (Part A + Part B) (Inclusive of All Taxes)</b>						

**II : College (Hostels)**

Part C : Material						
S.NO.	Make and Model No.	Description	Qty.	UoM	Rate Per Unit	Total Amount
1	Cisco	SG550XG-8F8T	0	Nos		
2	Cisco	SG350X-24MP	3	Nos		
3	Cisco	Fiber Transceiver Single Mode	12	Nos		
4	Cisco	WLAN Controller AIR -CT2504-50-K9	0	Nos		
5	Cisco	AP License for WLAN Controller	0	Nos		
6	Cisco	Indoor AP WAP321	1	Nos		
7	Cisco	Outdoor AP AIR-CAP1532I-x-K9	6	Nos		
8		Unified Threat Management for 2000 Concurrent Users with 3 Year Subscriptions	0	Nos		
9	Comrack	Rack 12U with Accessories	0	Nos		
10	Comrack	Rack 9U with Accessories	3	Nos		
11	Schneider	6 Core Single mode Optical Fiber Cable	350	Meter		
12	Schneider	LIU 24 ports Rack Mount	0	Nos		
13	Schneider	LIU 12 ports Rack Mount	3	Nos		
14	Schneider	SM LC Adapter Duplex SM	36	Nos		
15	Schneider	SM LC Pigtail simplex SM	72	Nos		

16	Schneider	1*6 LC Connecting Panel	12	Nos		
17	Schneider	SM LC-LC Patch Cord-1 meter	14	Nos		
18	Schneider	Cat6 24-Port Loaded Patch Panel	3	Nos		
19	Schneider	UTP Cat 6 Cable 305 Meter Box	1	Nos		
20	Schneider	Cat6 UTP 1 Meter Patch Cord	100	Nos		
21	Schneider	Cat6 Information Outlet - Jack	50	Nos		
22	Schneider	Face Plate - Single Port	50	Nos		
23	Schneider	Surface Mount Box	50	Nos		
24	ISI Mark	1" PVC Pipe - ISI	400	Meter		
25	ISI Mark	1.5" PVC Pipe - ISI	300	Meter		
26	ISI Mark	HDPE Conduit	700	Meter		
<b>Total of Part – C (1 to 26)</b>						
<b>Part D : Services</b>						
27		Laying of UTP Cable	1520	Meter		
28		Laying of PVC Conduit	700	Meter		
29		Laying of Fiber	700	Meter		
30		Laying of HDPE Conduit	700	Meter		
31		Installation of LIU	7	Nos		
32		Splicing of Pigtail	72	Nos		
33		Fixing & Termination of I/O	50	Nos		
34		Fixing & Termination of Patch Panel	7	Nos		
35		Fixing of Rack	7	Nos		
36		Fixing of Access Point	41	Nos		
37		Project Management Charges including installation & configuration of Active Components and Project Documentation.	1	Lump-Sum		
38		Digging - Hard Soil	70	Meter		
39		Digging – Soft Soil	200	Meter		
<b>Total of Part – D (27 to 39)</b>						

**Grand Total (Part A + Part B + Part C + Part D) (Inclusive of All Taxes) :**

**Note: Above quantities are estimated quantity as per the initial survey. However billing and payment shall be as per the Actual Consumption of Material and Services**

Note :

1. Rates quoted should include the taxes and duties applicable, and other charges like packing, forwarding, freight, insurance etc.
2. "L1" will be decided on the basis of total price quoted in above table (Grand Total) for providing the complete Wi-Fi solution at MCM DAV College for Women, Chandigarh.



**Letter of Authorization for Attending BID Opening  
(To be submitted before the bid opening)**

**The Principal,  
MCM DAV College for Women  
Sector 36-A, Chandigarh (U.T.)**

Subject : Authorization for attending bid opening on \_\_\_/\_\_\_/\_\_\_\_\_(date) in the tender for  
Supply, installation, Configuration, Testing and Commissioning of Secured Wi-Fi network at  
MCM DAV College for Women, Chandigarh

Respected Madam,

Following persons are hereby authorized to attend the bid opening for the tender  
mentioned above on behalf of \_\_\_\_\_

\_\_\_\_\_(Bidder)

in order of preference give below :

Order of Preference	Name	Specimen Signature
I		
II		
Alternate Representative		

Signature of the bidder  
Or  
Of the Authorized Signatory

**Note :** Maximum of two representatives for any bidder shall be authorized and permitted to attend  
the BID opening.

## Format of Performance Bank Guarantee

In consideration of the MCM DAV College for Women, Sector 36-A, Chandigarh (hereinafter called "MCM DAV") having issued Letter of Intent dated \_\_\_\_\_ to \_\_\_\_\_ (hereinafter called the "Agency") for supply, installation, configuration, testing and commissioning of secured Wi-Fi Network at MCM DAV College for Women, Chandigarh (hereinafter called "the Contract") in terms of tender dated \_\_\_\_\_, which stipulates that the Agency has to furnish an irrevocable Performance Bank Guarantee to MCM DAV for an amount equal to 10% of the accepted bid value as security for the performance of its obligations in terms of the tender and the contract:

1. We.....(indicate the name of the Bank)(hereinafter referred to as the "Bank") hereby affirm, guarantee and undertake to pay to MCM DAV any amount not exceeding the sum of Rs. \_\_\_\_\_/-(Rupees \_\_\_\_\_ Only), without any demur and objection whatsoever, merely against the first written demand of MCM DAV stating that the amount demanded therein has become due to it on account of the failure of the Agency to perform its obligations under the Contract. Without MCM DAV needing to prove or to show grounds or reason for demand of the sum specified therein. Any such demand made on us by MCM DAV shall be conclusive in all its respects, including the amount due and payable.
2. We declare that MCM DAV's demand in writing as aforesaid will be unquestionably binding upon us, our liability arising upon written demand of MCM DAV absolute, unqualified and irrevocable until the sum as demand therein is paid to MCM DAV in full. We hereby waive the necessity of MCM DAV demanding the said amount from the Agency before presenting us with the demand.
3. We undertake unconditionally and irrevocably to make payment to MCM DAV of the sum demanded in the aforesaid written demand, irrespective of any dispute between MCM DAV and the Agency under the contract.
4. We further agree that MCM DAV and the Agency shall have the right, without our consent and without effecting in any manner our obligations here under to vary any of the terms and conditions of contract. No change or addition to or other modification of the terms of the contract of any of the contract documents shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.
5. The Guarantee shall also not be discharged by any forbearance or indulgence granted by MCM DAV to the Agency as to payment, time and performance or otherwise.

6. We waive in favour of MCM DAV all or any of our rights as surety, which may be at any time be inconsistent with the provisions of this guarantee.
7. Our liability under this Guarantee shall not be affected by :
  - i. Any change in the status or constitution of the MCM DAV
  - ii. Any change in our status or constitution
  - iii. Any change in the status or constitution of Agency
8. The Guarantee shall be governed in all respects by Indian law.
9. This guarantee is irrevocable and shall be valid until the \_\_\_\_\_ day of \_\_\_\_\_ unless extended further. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs \_\_\_\_\_ (Rupees \_\_\_\_\_ only) and unless a claim in writing is lodged with us within six months of the date of expiry or extended date of expiry of the Guarantee all our liabilities under this Guarantee shall stand discharged.

Date the \_\_\_\_\_ day of \_\_\_\_\_

**Signature of the authorized officer of the Bank**

**Name and designation of the Officer**

**Seal, Name & Address of the Bank and Address of the Branch.**



**Features of UTM-Firewall**

- The Firewall should be Hardware based, Reliable, purpose-built security appliance with hardened operating system that eliminates the security risks associated with general-purpose operating systems
- The Proposed Firewall Vendor should be in the Leaders' Quadrant of Gartner Magic Quadrant for Next Generation Firewall.
- Firewall appliance should have at least 2x10 GE SFP+ Slots, 8 x 10/100/1000 GE interfaces along with 8 x GE SFP slots
- Firewall Throughput should be 36 Gbps
- Firewall should have 3DES IPSec throughput of 20 Gbps
- Firewall should support 350,000 new sessions per second
- Firewall should support 8 Million concurrent sessions
- Firewall should support 5 Gbps NGFW Throughput (with real world Traffic)
- Firewall should support 4.7 Gbps Threat Prevention Throughput (with real world Traffic)
- The proposed system shall be able to operate on either Transparent (bridge) mode to minimize interruption to existing network infrastructure or NAT/Route mode. Both modes can also be available concurrently using Virtual Contexts.
- Firewall must have inbuilt dual AC power supply

**Intrusion Prevention System**

- IPS throughput should be 11 Gbps
- The IPS detection methodologies shall consist of signature based and Anomaly based detection
- The IPS should be able to inspect SSL sessions by decrypting the traffic.
- The IPS system shall have at least 5,500 signatures

**Antivirus**

- The proposed system should be able to block, allow or monitor only using AV signatures and file blocking based on per firewall policy based or based on firewall authenticated user groups with configurable selection of the following services:
  - a) HTTP, HTTPS
  - b) SMTP, SMTPS
  - c) POP3, POP3S
  - d) IMAP, IMAPS
  - e) FTP, FTPS
- The proposed system should be able to block or allow oversized file based on configurable thresholds for each protocol types and per firewall policy.

**Web Content Filtering**

- The proposed system should have integrated Web Content Filtering solution without external solution, devices or hardware modules.
- The proposed solution should be able to enable or disable Web Filtering per firewall policy or based on firewall authenticated user groups for both HTTP and HTTPS traffic.
- The proposed system shall provide web content filtering features:
  - a) which blocks web plug-ins such as ActiveX, Java Applet, and Cookies.
  - b) Shall include Web URL block
  - c) Shall include score based web keyword block

- d) Shall include Web Exempt List
- The proposed system shall be able to queries a real time database of over 110 million + rated websites categorized into 70+ unique content categories.

#### **Application Control**

- The proposed system shall have the ability to detect, log and take action against network traffic based on over 3200+ application signatures
- The application signatures shall be manual or automatically updated
- The administrator shall be able to define application control list based on selectable application group and/or list and its corresponding actions
- The Firewall must have at least 13.5 Gbps Application Control Throughput

#### **Data Leakage Prevention**

- The proposed system shall allow administrator to prevent sensitive data from leaving the network. Administrator shall be able to define sensitive data patterns, and data matching these patterns that will be blocked and/or logged when passing through the unit.

#### **High Availability**

- The proposed system shall have built-in high availability (HA) features without extra cost/license or hardware component
- The device shall support stateful session maintenance in the event of a fail-over to a standby unit.
- High Availability Configurations should support Active/Active or Active/ Passive

#### **The Firewall should be provide with integrated / External Wireless Controller**

- Controller should support CAPWAP or equivalent encrypted throughput of 5Gbps
- Controller should be ready for supporting 250 AP's in tunnel mode . The AP license for 250 APs to be provided from day one.
- The wireless controller support the following types of client load balancing:
  - a) Access Point Hand-off -If the load on an access point (ap1) exceeds a threshold then the client with the weakest signal will be signaled by wireless controller to drop off and join another nearby access point (ap2)
  - b) Frequency Hand-off - the wireless controller monitors the usage of 2.4GHz and 5GHz bands, and signals clients to switch to the lesser-used frequency automatically
- Controller Should support L2 Client Isolation so User cannot access each other's devices.
- The wireless Controller should support Rogue AP detection and Blocking in RF and on wire
- It should Include Wireless Guest Access Provisioning for Allowing staff to create Guest account, Assign Time quota, generate temp password, print, email or SMS the information to the Guest user.
- Controller should have the below Remote access point features:
  - a) It should support by all access points quoted by bidder
  - b) Enables APs to be deployed remotely (over WAN link) to the centralized wireless controller with encrypted tunnel for management and data traffic
  - c) It should support Split tunnel routing the management frame via tunnel to controller and data traffic locally
  - d) Wireless client connectivity is maintained when the wireless controller is unreachable for open and PSK type SSIDs

**BYOD should be having below features**

- Controller should detect client device Mac address, device type(such as windows device, Android device, iPhone, IPad, blackberry, etc) and host name
- Controller should be able to allow or deny traffic based on device type (such as windows device, Android device, iPhone, IPad, blackberry, etc)
- Controller should be able to block or allow websites and applications based on device type(such as windows device, Android device, iPhone, IPad, blackberry, etc)
- Controller should be able control the bandwidth based on device type(such as windows device, Android device, iPhone, IPad, blackberry, etc)

**The wireless Controller should support the following RF Management features**

- Having Automatic Channel Allocation
- Having Automatic Power Control
- Supporting Neighbourhood scanning of RF environment to minimise neighbouring AP interference and leakage across floors.
- Having Coverage Hole Detection
- Providing alerts when APs are down or compromised RF environment is detected
- Having Self healing - Automatic neighbouring AP power increase to fill in for coverage losses
- The wireless Controller should support Rogue AP detection and Blocking
- Should support Spectrum Analysis