



GOVERNMENT OF INDIA  
MINISTRY OF HOME AFFAIRS  
NATIONAL INVESTIGATION AGENCY

**Invitation of Bids for Centralized WiFi Solutions at NIA HQ New Delhi**

**Tender No.02/2018 Dated 22 Jan 2018**

1. Seal Bids are invited on behalf of the President of India by Director General, NIA, New Delhi from the specialized agencies/vendors engaged in the business for supply, installation, testing and commissioning of Centralized WiFi Solutions at NIA HQ New Delhi as per detailed technical specifications mentioned in Part-II of this Tender. Please super scribe the above mentioned Title, Tender number and date of opening of the Bids on the sealed cover to avoid the Bid being declared invalid. The Tender Processing Fee is Rs.1000/- (non-refundable).
2. The address and contact numbers for sending Bids or seeking clarifications regarding this Tender are given below -
  - a. Bids/queries to be addressed to: The SP (Admin)
  - b. Postal address for sending the Bids: NIA HQ, 1st Floor, CGO Complex, Lodhi Road, New Delhi-110003
  - c. Name/designation of the contact person :Shri S N Pandey, SP (Admin)
  - d. Telephone numbers of the contact personnel: 011-24368800
  - e. e-mail address of contact personnel: spadmin.nia@gov.in
  - f. Fax number: 011-24368801
3. This TENDER is divided into five Parts as follows:
  - Part I** – Contains General Information and Instructions for the Bidders about the Tender such as the time, place of submission and opening of tenders, Validity period of tenders, EMD etc.
  - Part II** – Contains essential details of the services required, such as the Schedule of Requirements (SOR), Eligibility Criteria, contract/ Delivery Period etc.
  - Part III** – Contains Standard Conditions of RFP, which shall form part of the Contract with the successful Bidder.

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**Part IV** – Contains Special Conditions applicable to this Tender and which shall also form part of the contract with the successful Bidder.

**Part V** – Contains Evaluation Criteria and Format for Price Bids.

4. This Tender is being issued with no financial commitment and the Buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw this Tender, should it become necessary at any stage.

**5. The pre-bid meeting will be held at NIA HQ New Delhi on 05 Feb 2018 at 1200 hrs.**

### **Part I – General information**

**1. Last date and time for depositing the Bids:**

**13 Feb 2018 at 1400 hrs**

The sealed Bids should be submitted/reach by the due date and time. The responsibility to ensure timely submission of bids lies with the Bidder. Late tenders will not be considered. No responsibility will be taken for postal delay or non-delivery/ non-receipt of Bid documents by NIA.

**2. Depositing the Bids:** Sealed Bids should be either dropped in the Tender Box marked for the tender or sent by registered post at the address given above so as to reach by the due date and time. Bids sent by FAX or e-mail will not be considered.

**3. Time and date for opening of Bids:**

**13 Feb 2018 at 1600 hrs**

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

**4. Location of the Tender Box:**

Reception, Ground Floor, NIA HQ, CGO Complex, Lodhi Road, New Delhi

Only those Bids that are found in the tender box will be opened. Bids dropped in the wrong Tender Box will be rendered invalid.

**5. Place of opening of the Bids:**

Conference Hall, 6<sup>th</sup> Floor, NIA HQ, CGO Complex, Lodhi Road, New Delhi.



The Bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids on the due date and time. Rates and important commercial/ technical clauses quoted by all Bidders will be read out in the presence of the representatives of the Bidders present at the schedule date and time. This event will not be postponed due to non-presence of representative (s) of any of the vendors.


**6. Two-Envelop Bid System:** In this case, only the Technical Bids to assess the eligibility would be opened at the time and date mentioned above. Date of opening of the Commercial Bid will be intimated after acceptance of the Technical Bids. Commercial Bids of only those firms will be opened, whose Technical Bids are found compliant/suitable after evaluation is done by the Buyer.

**7. Forwarding of Bids** – Bids should be forwarded by Bidders under their original memo / letter pad inter alia furnishing details like complete registered & postal address, telephone/mobile Nos.& e-mail address of their office.

**8. Clarification regarding contents of the RFP:** A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Buyer in writing about the clarifications sought not later than 07 days prior to the date of opening of the Bids. Copies of the query and clarification by the purchaser will be sent to all prospective bidders who have received the bidding documents. During evaluation and comparison of bids, the Buyer may, at its discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.

**9. Modification and Withdrawal of Bids:** No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security. A bidder may, however, modify or withdraw his bid after submission provided that the written notice of modification or withdrawal is received by the Buyer prior to deadline prescribed for submission of bids. A withdrawal notice may be sent by fax but it should be followed by a signed confirmation copy which may be sent by hand/post and such signed confirmation should reach the Purchaser not later than the deadline for submission of bids.

**10. Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection of bid with forfeiture of EMD. Conditional tenders will be rejected.

 **11. Validity of Bids:** The Bids should remain valid for 90 days from the last date of submission of the Bids.




**12. Earnest Money Deposit:**—Bidders are required to submit Earnest Money Deposit (EMD) for amount of Rs.1,00,000/- (One lakh) along with their bids in a separate sealed envelope super scribed "BID SECURITY DEPOSIT". The EMD may be submitted in the form of an Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the public sector banks or a private sector bank authorized to conduct government business in **favour of Pay & Accounts Officer, NIA, New Delhi**. EMD should remain valid for a period of sixty days beyond the final bid validity period. EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract. The Bid Security of the successful bidder would be returned, without any interest whatsoever, after the receipt of Performance Security from them as called for in the contract. EMD is not required to be submitted by those Bidders who are registered with the Central Purchase Organization (e.g. DGS&D), National Small Industries Corporation (NSIC). However, they have to enclose valid a registration certificate (s) with the above organisation clearly mentioning the validity etc. along with their tender in a separate sealed envelope super scribed "BID SECURITY DEPOSIT". The EMD will be forfeited if the bidder withdraws, amends, impairs or derogates from the tender in any respect within the validity period of their tender.

**13. Misc.:** A contractor shall not be permitted to tender for works in the concerned Division of NIA responsible for award and execution of contracts in which his near relative is posted as Gazetted Officers. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in the NIA or in the Ministry of Home Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department. If however the contractor is registered in any other department, he shall be debarred from tendering in NIA for any breach of this condition.

**NOTE: "Near relatives" is meant wife, husband, parents and grand-parents, children and grand-children, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.**

No Gazetted officer (Group-A) employed in NIA shall work as a contractor or employee of a contractor for a period of one year after his retirement/ voluntary retirement from government service without the previous permission of Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Government of India as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.





Tender document may be downloaded from website [www.nia.nic.in](http://www.nia.nic.in) or [www.eprocurement.gov.in](http://www.eprocurement.gov.in) or may be obtained from the office of the SP (Admn), NIA, HQ, New Delhi on payment of Rs.1000/- towards tender processing fee. Bidders who have downloaded the tender document from website may submit the tender processing fee by DD in favour of PAO, NIA payable at New Delhi. Tender without EMD and Tender processing fee will not be considered.

All documents should be page numbered and self attested by the authorized signatory.

### **Part II – Essential Details of Eligibility and Supply required**

The detailed technical specifications for supply, installation, testing and commissioning of Centralized WiFi Solutions at NIA HQ New Delhi is attached as per **Annexure-I**. A compliance report is required to be submitted in Technical bid.

### **Eligibility Criteria:**

The Vendor must fulfil the following conditions and submit the documents:

- (i) Registration Certificate/ Certificate of incorporation of firm.
- (ii) An ink signed authorization letter from OEM as per the format attached as per **Annexure-II** should be submitted with the tender documents.
- (iii) Compliance sheet of each points mentioned in the detailed technical specifications as per **Annexure-I**.
- (iv) **TURNOVER:** The turnover of the Bidder should be more than Rs. 50 Lacs (Fifty Lakhs) each during the last three financial years starting from FY 2014-15. Copy of Balance Sheet & Profit & Loss Statements to be submitted duly certified by CA as supporting evidence.
- (v) Copy of PAN Card of Proprietor or the firm as the case may be & ITRs for the last three financial years starting from 2014-15 to be submitted.
- (vi) Should give an undertaking or affidavit that the company/ firm has not been black listed by any Court of Law or any Govt./ Central Autonomous bodies/ PSU and in future if such a blacklisting takes place the agency shall be liable to inform the NIA forthwith.
- (vii) **Work Experience:-**  
The vendor should have satisfactorily completed similar work during the last three years i.e. (upto 31 Dec 2017) in any Central Government/State Govt/PSU/Autonomous Bodies/Reputed organizations of private sectors as per details given below:-





- (a) One similar work not costing less than Rs.30 Lacs.
- (b) Two similar works not costing less than Rs.15 lacs each
- Or
- (c) Three similar works not costing less than Rs.10 lacs each

(Note : Similar work means supply, installation and commissioning of Centralized Wifi solutions in a building)

Copies of work order and copies of completion certificate having detail of successfully completed work issued by the clients are to be submitted alongwith technical bids.


- viii) An undertaking on the letter head of the Firm/Company to the effect that "The Bidder has gone through all the Terms & Conditions of the Tender document & the same are acceptable to the Tenderer" should be attached.
- ix) A copy of the authorization by the Proprietor/Partners/Director(s) or by all the partners of the Agency (as the case may be) in case the Bid documents are signed & sealed by a authorized person.
- x) Should be registered for GST.
- xi) Tender Processing Fee by DD
- xii) EMD as prescribed in tender document.

#### **SUBMISSION OF BIDS:**

Tender is in two parts.

- a) Technical Bid containing documents of general Nature establishing Eligibility Criteria as specified above. Each & every document in the Technical bid should be signed by the Proprietor/duly authorized partner or all the partners in case of a partnership firm or the authorized Director in case of a company; all these also need to be stamped by the seal of the agency on each page. The EMD should be kept in a separate Envelope super scribed as "EMD" and giving details of Tender Notice No., description of work and due date of opening on the cover and addressed to DIG (Admin), NIA, New Delhi.
- b) Commercial Bid shall be submitted in format provided with the tender document. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to complete the BoQ/Price Bid in blue colour ink with their respective financial quotes and other details (such as name of the bidder) and submit it.

NOTE: The contractor shall clearly indicate their legal constitution and the person signing the bid shall state his capacity and also source of his ability to bind the Contractor. The power of attorney or authorization, or any other document consisting of adequate proof of the ability of the signatory to bind the contractor, shall also be submitted alongwith the tender. NIA may reject outright any bid not supported by adequate proof of the signatory's authority.





Time allowed to carry out the work shall be 45 days from the date of depositing the Performance Guarantee as specified under Part-IV.

The interested bidders are advised to visit and acquaint himself with the areas where the items are to be delivered and installed. The costs of visiting shall be borne by the bidder. It shall be deemed that the contractor/supplier has undertaken a visit to facilities and is aware of the all conditions prior to the submission of the tender documents.

### **Part III – Standard Conditions of RFP**

The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which shall be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract).

**1. Law:** The Contract shall be considered and made in accordance with the laws of the Republic of India. The contract shall be governed by and interpreted in accordance with the laws of the Republic of India.

**2. Effective Date of the Contract:** The contract shall come into effect on the date of signatures of both the parties on the contract (Effective Date) or as mentioned in the contract document and shall remain valid until the completion of the obligations of the parties under the contract. The performance of the services shall commence from the effective date of the contract.

**3. Arbitration:** All disputes or differences arising out of or in connection with the Contract shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the Contract or relating to execution or performance, which cannot be settled amicably, may be resolved through arbitration. The arbitration shall be conducted in accordance with the provisions of the **Arbitration and Conciliation Act, 1996 (26 of 1996)** or any statutory modifications or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.

**4. Penalty for use of Undue influence:** The Seller undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favour or dis-favour to any person in relation to the present Contract or any other Contract with the Government of India. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or



anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/ penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.

**5. Agents / Agency Commission:** The Seller confirms and declares to the Buyer that the Seller has not engaged any individual or firm, whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, for the award of the contract to the Seller; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Seller agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that the Seller has engaged any such individual/firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this contract, the Seller will be liable to refund that amount to the Buyer. The Seller will also be debarred from entering into any Contract with the Government of India for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Contract either wholly or in part, without any entitlement or compensation to the Seller who shall in such an event be liable to refund all payments made by the Buyer in terms of the Contract along with interest at the rate of 2% per annum above LIBOR rate. The Buyer will also have the right to recover any such amount from any contracts concluded earlier with the Government of India.

In case it is found to the satisfaction of the Buyer that the Seller has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the Seller, on a specific request of the Buyer, shall provide necessary information/ inspection of the relevant financial documents/information.





**6. Non-disclosure of Contract documents:** Except with the written consent of the Buyer/ Seller, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

**7. Liquidated Damages:** In the event of the Seller's failure to submit the Bonds, Guarantees and Documents etc. as specified in this contract, the Buyer may, at his discretion, withhold any payment or part of payment until the completion of the contract. In case of delay in completion of work, penalty @ 0.5% of the contract value per week will be deducted from the bill. Such penalty should, however, will not be exceeding 10% of the total contract value.

**8. Termination of Contract:** NIA shall have the right to terminate this Contract in part or in full in any of the following cases:-

- (a) The delivery of stores is delayed due to causes of Force Majeure by more than 30 days provided Force Majeure clause is included in contract.
- (b) The delivery of the stores is delayed for causes not attributable to Force Majeure for more than 15 days after the schedule date of start.
- (c) The Seller is declared bankrupt or becomes insolvent.
- (d) The Buyer has noticed that the Seller has utilized the services of any Indian/Foreign agent in getting this contract and paid any commission to such individual/company etc.
- (e) As per decision of the Arbitration Tribunal.

**9. Notices:** Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by FAX or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is sent.

**10. Transfer and Sub-letting:** The Seller has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

**11. Amendments:** No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

**12. Taxes and Duties:**


- 1. Price quoted should be excluding the taxes/duties. The applicable taxes should be mentioned in the relevant column provided for the purpose. In case space provided for the Tax remain blank, it will be presumed that either no tax is payable or prices are inclusive of all taxes.



2. If a Bidder is exempted from payment of any duty/tax upto any value of services from them, he should clearly state that no such duty/tax will be charged by him up to the limit of exemption which he may have. If any concession is available in regard to rate/quantum of any Duty/ tax, it should be brought out clearly. Stipulations like, the said duty/tax was presently not applicable but the same will be charged if it becomes leviable later on, will not be accepted unless in such cases it is clearly stated by a Bidder that such duty/tax will not be charged by him even if the same becomes applicable later on. In respect of the Bidders, who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of such duty/tax which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders.
3. Any change in any duty/tax upward/downward as a result of any statutory variation taking place within contract terms shall be allowed to the extent of actual quantum of such duty/tax paid by the vendor. Similarly, in case of downward revision in any duty/tax, the actual quantum of reduction of such duty/tax shall be extended to the Buyer by the Seller. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the Seller.
4. In case any new tax or levy or cess is imposed by Statute, after the last date stipulated for the receipt of tender including extensions (if any), the seller shall inform the buyer in writing within 15 days of imposition/Notification of said tax and thereupon necessarily and properly pays such taxes/ levies/ cess, The seller shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the competent authority (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the seller. The seller shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of the Government and shall also furnish such other information/ document as may require from time to time.

#### **Part IV – Special Conditions**

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





1. **Performance Guarantee:**

The Bidder will be required to furnish a Performance Guarantee by way of Bank Guarantee through a public sector bank or a private sector bank authorized to conduct government business (ICICI Bank Ltd., Axis Bank Ltd or HDFC Bank Ltd.) for a sum equal to 10% of the contract value within 15 days of receipt of the confirmed order. Performance Bank Guarantee should be valid up to 60 days beyond the date of completion of contract period.

2. **Payment Terms**– The payment shall be made in the bank account of the contractor directly through e-payment mode. It is mandatory for the Bidders to provide their bank account numbers and other relevant details for *payment* so that payments could be made through ECS/NEFT/RTGS mechanism instead of payment through Cheque. No advance payment shall be made under any circumstances.

The Supplier shall submit the bills to the office of DIG (Admn), NIA HQ, New Delhi with the following documents for verification and payment:

- (i) Receipt / certificate from the authorised officer in the location for having received the material with quantity of each item in good condition or work have been completed successfully as the case may be.
- (ii) Bills in triplicate should be sent later and the payment shall be released only after it is ensured that the items / quality of the items supplied are to the entire satisfaction of the department. If any item is found to be defective, or not of the desired quality etc., the same shall be replaced by the firm(s) immediately at their own cost for which no extra payment shall be made. All statutory deductions (IT/GST etc.) shall be made at source at the time of payment to the contractor as per the provisions of the relevant Tax Act as applicable.

3. **Risk & Expense clause:**

- a) Should the services or any part thereof not be delivered within the time or times specified in the contract documents, or if poor / substandard items are provided, the Buyer shall after granting the Seller 05 days to cure the breach, be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.
- b) Should the item not delivered in accordance with the specifications / parameters provided by the SELLER during the contract period the BUYER shall be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as wholly cancelled for breach of contract, or to the extent of such default.

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- c) In case of a material breach that was not remedied within 05 days after the date of notice given for that material breach, the BUYER shall, having given the right of first refusal to the SELLER be at liberty to procure from any other source as he thinks fit, other items of the same or similar description to make good:-
- I. Such default.
  - II. In the event of the contract being wholly determined the balance of the remaining items to be delivered there under.
- d) Any excess of the contract price, services procured from any other service provider as the case may be, over and above the contract price, price appropriate to such default or balance/ difference shall be recoverable from the SELLER. Such recoveries shall however, not exceed 10% of the value of the total contract."

#### **4. SPECIAL CONDITIONS FOR COMPLIANCE OF LABOUR LAWS:**

1. The Contractor shall at his own cost comply with the provision of labour laws, rules orders and notifications (whether central or state or local) as applicable to him or to this contract from time to time.

The contractor shall not engage/employ persons below the age of 18 years and shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986.

The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed thereunder and other labour laws affecting contract labour that may be brought into force from time to time.

The contractor shall be responsible for payment of wages etc to its deployed personnel as per prevailing Acts/Orders as applicable under statutory laws. If any dispute arises between the contractor & the employed personnel regarding wages or any other service condition, it shall be settled by the contractor & the personnel engaged by it themselves. NIA shall not be a party in any such dispute. The contractor shall provide necessary insurance coverage to his workmen engaged in the execution of his contract so as to hold the NIA non-liaible for any act of contractor's workmen in case of any accident / mishap including death.

#### **Part V – Evaluation of bids & Evaluation procedure**

**Evaluation Criteria** - The broad guidelines for evaluation of Bids will be as follows:





- (a) Only those Bids will be evaluated which are found to be received by the stipulated date and time and fulfilling all the eligibility and qualifying requirements as mentioned in the tender document, both technically and commercially.
- (b) The technical Bids forwarded by the Bidders will be evaluated first by the Buyer with reference to the parameter mentioned in the tender documents. The Price Bids of only those Bidders will be opened whose Technical Bids would found compliant after the evaluation of eligible criteria.
- (c) The Lowest Bid will be decided upon the lowest price quoted by the particular Bidder as per the Price Format given in the tender document.
- (d) Rates quoted by the seller in the price bid/format in figures and words shall be accurately filled in so that there shall not be any discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct.
- (e) If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount.
- (f) In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.
- (g) The Lowest Acceptable Bid will be considered further for placement of contract after complete clarification and price negotiations, if required, and as decided by the Buyer. The Buyer may award contracts to different Bidders for being lowest in particular items. The Buyer also reserves the right to do Apportionment of Quantity, if convinced that Lowest Bidder is not in a position to provide the full quantity as stipulated in the tender.
- (h) Please note that in case of cutting/overwriting and use of correction fluid is noticed, the bid will be rejected. The Tender documents submitted should be signed by the authorized signatory of the organization on each page of the documents which should also be serially numbered. Failure to do so will be treated as non-fulfillment of the tender conditions.
- (i) Any other criteria as applicable to suit a particular case.

### **EVALUATION PROCEDURE**

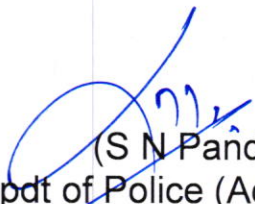
Technical Evaluations of the Bids will be done by a duly constituted committee on the basis of Bid Documents submitted as mentioned Eligibility criteria and tender document. The committee constituted by the competent



authority will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents are genuine and have been properly signed and whether the bids are generally in order. The committee shall determine the conformity of each bid w.r.t. the bidding documents. As regard to financial evaluation of the Bids, the Gross amount quoted by the bidder as per the Price Bid format will be assessed by the committee.

A team of Officers from NIA may visit the office of the Bidders for establishing their credibility & verification of submitted documents.

Conditional Tenders/Non-compliance of any of conditions, set in tender document shall render the bid to disqualification. Any deviation from the clauses hidden/ intentional/ unintentional shall be considered as contravention of the clauses of tender document and same shall also be grounds of rejection



(S N Pandey)  
Supdt of Police (Adm)  
NIA HQ New Delhi  
Tele No. 24368800  
Email- spadmin.nia@gov.in



## (To be submitted in Technical Bid)

## Wi-Fi controller and Wi-Fi Access Point specifications

SL	Specification	Compliance (Y/N)
<b>1.0</b>	<b>System Architecture:</b> The System Architecture enlists the expectation from the "Total Solution", that are common between the Wi-Fi and WIPS services.	
1.10	The proposed Wi-Fi controllers should be of software based. Should be compatible to run as a VM on various Hypervisors like VMWARE, KVM and Virtual-box etc. Should support remote replication w.r.to DR.	
1.11	Solution must support controller-less, intelligent edge architecture for Wi-Fi access. All WLAN services should be delivered at the edge and hence eliminating the dependency on the controller	
1.12	Solution must support controller-less, intelligent edge architecture for wireless intrusion prevention (WIPS)	
1.13	All Wi-Fi & WIPS services should be functional on the device if the link between AP/Sensor and its management controller or the controller itself goes down	
1.14	The controller and Wi-Fi AP device should support dual stack for IPV4 and IPV6.	
1.16	The solution must facilitate Control and Provisioning of Wireless Access Point devices and ensure data encryption between access point devices and controllers across remote WAN/LAN links	
1.17	Wi-Fi controller should support deployment of set policies across the Wi-Fi AP devices placed on different network segments over LAN and WAN.	
1.18	System should support at least IEEE Wi-Fi 802.11ac standard (preferable being IEEE 802.11-2016).	
<b>2.0</b>		
2.10	The management controller should be software/Hardware based.	
2.11	The system must provide centralized Wi-Fi and WIPS management of the entire solution for both Wi-Fi and WIPS	
2.12	The solution should have the capability to control minimum 75 (license) numbers of AP & Sensor devices. Quote should include all required licenses to support 75 Access point devices. There should not be no requirement of additional licenses for HA.	
2.13	The quoted Wi-Fi controller should be capable of supporting 500 Access Point devices without need of any additional Hardware and Software other than licenses.	



2.14	The solution should have the ability to create multiple customizable dashboards and configurable widgets within them.	
2.15	The solution should have all locations consolidated dashboard and location-specific dashboard as well.	
2.16	Solution should have role based admin rights.	
2.17	The solution must have context based policy management and administration.	
2.18	Client Fingerprinting - The system should detect and identify all types of Wi-Fi enabled client devices.	
2.19	The system must provide forensic data aggregated for major threat vectors like Rogue AP, Honeypot AP, Mis-Configured AP, DoS, Unauthorized Association, Ad Hoc Networks, Bridging/ICS Client, Mis-Association.	
2.20	The system must provide real-time RF coverage maps for detection & prevention ranges.	
2.21	The system should provide real-time RF coverage maps for the managed APs to help estimate RF coverage and leakage	
2.22	The system should locate wireless devices (APs and Clients) accurately on floor maps	
2.23	The system must provide historical location tracking (eg. location of switched off Rogue AP)	
2.24	The system must provide location tracking of a DoS attacker	
2.25	RFC 768 UDP	
2.26	RFC 791 IP	
2.27	RFC 792 ICMP	
2.28	RFC 793 TCP	
2.29	RFC 826 ARP	
2.30	RFC 2131 DHCP	
2.31	Both the controller and Wi-Fi device should support SNMP v1, v2c, v3	
2.32	The solution should provide remote packet capture for troubleshooting	
2.33	The system should support manual and automatic scheduling of system backup	
2.34	The system should maintain controller user action logs which should include all activities performed by the user like login, any configuration changes made on the system, device deletion, device authorization, log out etc., for at least 360 days.	



2.35	The system should enable wireless client association analytics logs which should record client MAC address, AP connected to, data transfer, data rate, session duration, content - domain (http, https, IP address), for at least 60 days. Supply should include respective software or hardware device required to achieve the same.	
2.36	The system should render application visibility. It should display list of applications with their data usage for a specific SSID.	
2.37	The solution should block traffic based on IP address, port, URL, hostname etc.) and QoS (for example: bandwidth restriction for the SSID, QoS tagging of special traffic like Voice) at the edge (AP).	
2.38	The solution must allow VLAN segmentation at the edge.	
2.39	The solution must support Advanced Encryption Standards (AES), Temporal Key Integrity Protocol (TKIP).	
2.40	Time Schedules - the solution must allow configuration of time schedules when WLAN is / isn't available (For example: SSIDs can be active from 9 am to 5 pm and then automatically disabled)	
2.41	Solution should support Captive Portal	
2.42	Solution should support External Splash Page	
2.43	Solution should support RADIUS, Active Directory and LDAP based authentication for both Corporate as well as Guest Clients	
2.44	Solution should support "Walled Garden" or equivalent feature for Guest Network	
2.45	Solution should support URL redirection	
2.46	Solution should provide Guest Client association time-out	
2.47	Solution should allow blocking of Guest user for specific time frame between two association sessions	
2.49	The system must auto-classify APs precisely in different categories as managed / authorized (i.e. managed device connected to NIA networks), external (i.e. un-managed APs not connected to NIA networks, e.g. neighbours), and rogue APs (un-managed AP connected to NIA networks)	
2.50	The system must Auto-classify APs and should be independent of user defined rules or signatures or interaction with switch CAM tables	
2.51	The system must have the capability of auto-classifying Wi-Fi clients as authorized (managed clients connecting to NIA network), guest, rogue (un-managed client attempting connection to NIA network) or external (unmanaged not connecting to NIA network e.g. neighbour), in addition to manual classification	





2.52	The system must correctly detect smart phones connecting to the NIA network and classify them as approved or unapproved	
2.53	The system must also indicate if it cannot reliably detect ON-wire connectivity of APs to the NIA network	
2.54	The system must be able to detect and automatically prevent all types of Rogue (unauthorized APs connected to NIA network) APs, such as: a) APs such as Bridge and NAT b) MAC-adjacent Open/Encrypted Wi-Fi routers c) Non-MAC-adjacent OPEN Wi-Fi routers d) Open USB APs (e.g., Windy31 USB stick) on network connected laptops e) Virtual APs on network connected laptops (e.g., Connectify software on Windows 7) f) Non-MAC adjacent APs having MAC ACLs	
2.55	System must prevent a rogue AP (such as Rogue AP on illegal channel and 802.11W) without blocking the switch port.	
2.56	The system must be able to detect and automatically prevent all Wi-Fi enabled devices such as smartphones bridging / ICS when connected to NIA network	
2.57	The system must detect mis-configured authorized APs and automatically prevent them.	
2.58	The system must remember organizations managed / authorized clients and prevent them from connecting to neighbour APs even after the client is inactive for certain time	
2.59	The system should detect and prevent outside client trying to connect to the NIA WLAN	
2.60	The system must detect prevent all types of AdHoc connections such as: a) Centrino OPEN ad-hoc prevention b) Centrino WEP ad hoc prevention c) Centrino WPA2 ad hoc prevention	
2.61	The system must detect Honey Pot attacks including its advanced variants such as MultiPot attack. It should be able to prevent the authorized client from connecting to a honeypot AP.	
2.62	The WIPS system should NOT affect the operation of an external (i.e. neighbours) or a managed access point while preventing a rogue AP on the same channel.	
2.63	A single device should simultaneously block multiple threats on multiple channels	
2.64	The system must be able to detect wireless Denial of Service (DoS) attacks	
2.65	Quoted Wi-Fi controllers should support quoted Wi-Fi Access point devices .	
2.66	Supply should include requisite documents and manuals for Wi-Fi controller.	

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2.67	WiFi controllers License should work across the subnets to reach Wi-Fi AP's deployed in various network segments.	
2.68	WiFi controllers should support devising and pushing of policies across multiple Access point devices	
2.69	WiFi controller should support both active / active and active / passive modes of operation	
<b>3</b>		
3.10	The solution must provide hierarchical alerts wherein sub-events are correlated under parent incident alert thereby enabling event correlation.	
3.11	The system must send notifications based on location and alarm type	
3.12	The system must support addition of tags and notes to devices.	
3.13	The system must provide a device summary (for APs, and clients) report per location	
3.14	The system must allow customization of existing reports and creation of new reports by end-user	
3.15	The system must allow automatic schedules for report generation and distribution of reports to specific users	
3.16	The system should provide alerts for impact on WLAN performance such as: a) High client associations b) Excessive frame re-transmissions c) Low average data rate for a client d) Drop in Signal of an access point e) Inadequate coverage depicted by excessive probe requests / responses	
3.17	The solution should have built-in, make & model agnostic performance monitoring and Wi-Fi Analytics	
3.18	The controller and Wi-Fi AP devices management should support command line (ssh / telnet) and as well as web based (https) administration	

<b>4.0</b>		
4.10	The proposed Wi-Fi AP devices must be having: Three radio Wave 2 - 802.11 ac 4x4:4 MU MIMO device with two Gigabit Ethernet ports.	
4.11	The Wi-Fi AP devices must have dedicated two radios for Wi-Fi access for both 2.4 GHz and 5 GHz and dedicated one radio for 24/7 wireless intrusion prevention (WIPS) both operating simultaneously in a single device, without any loss of functionality.	
4.12	Apart from DC power, the Wi-Fi AP devices must work with all features supported on 802.3at PoE+. Supply should include DC power adapters.	



4.13	Wi-Fi AP devices and the solution must support the following protocols: IEEE 802.11a/b/g, IEEE 802.11n, IEEE 802.11ac (WAVE 2), IEEE 802.11h, IEEE 802.11d, 802.11i	
4.14	The Wi-Fi AP devices and the solution should support the following authentication methods: 802.1X support, per-session encryption keys (WPA2)	
4.15	Wi-Fi AP devices should be remotely upgradeable from the controller, so that new features / upgrades can be added	
4.16	Wi-Fi AP devices should be approved by the Wireless Planning Commission (WPC)	
4.17	Wi-Fi AP devices should have two way band steering (example from 2.4GHz band to 5GHz and from 5 GHz to 2.4 GHz).	
4.18	Wi-Fi AP devices should facilitate auto channel allocation to avoid interference between APs	
4.19	Wi-Fi AP devices and the system must support Fast Handoff between APs, executed at the edge thus eliminating controller dependency	
4.20	Wi-Fi AP devices and the system should have ability to set SSIDs as bridge or NAT	
4.21	Wi-Fi AP devices and the system should have Support for 802.1Q VLANs	
4.22	Should have the ability to set Trunk Ports on AP and sensor device	
4.23	Wi-Fi AP devices should support configurable Management VLAN	
4.24	Wi-Fi AP devices should be of Celing mount	
4.25	Supply should include Celing mountable units equal to the no. of Access points quoted	
4.26	Supply should include Indian type DC power adaptors for powering on Access Point devices	





## License, Warranty and Support

S.No.	Specification	
5	<b>Warranty and Support</b>	
5.10	The Total solution should come with all required feature licenses from first day of installation	
5.11	The Total solution should have 5 years hardware warranty for both AP's and S/W based controller	
5.12	The Total solution should have technical support for software, Software upgrades, all license cost for first 5 years.	
5.13	The Total solution should come with the latest and updated version available at no extra cost	
5.14	All the licenses quoted should be perpetual	
5.15	All Software upgrades and Firmware upgrades / releases for the controller and Wi-Fi devices should be provisioned up to three years.	
5.16	Quote should include additional 2 years warranty separately specified under Unpriced commercials and commercial bid.	
5.17	Warranty Support should include 4 hrs. response time and provision of replacement in 24 hrs. for hardware on site. All expenses for replacement of the equipment should be borne by the supplier.	
5.18	Should provide single point of contact and should provide call logging and escalation matrix	

### IMPORTANT NOTE:

1. BIDDERS ARE EXPECTED TO DO PHYSICAL SURVEY AT NIA HQ – DELHI. TO DETERMINE THE EXACT REQUIRED NUMBER OF ACCESS POINTS (AP) TO COVER THE ENTIRE BUILDING.
  - a. BIDDER SHOULD QUOTE FOR AP'S AND CONTROLLERS WITH REDUNDENCY/HA.
  - b. EACH CONTROLLER SHOULD BE CAPABLE HANDLING 75 NOS. OF AP'S WITHOUT ANY ADDITIONAL UPGRADES, LICENSE REQUIREMENT
2. BIDDER SHOULD PROVIDE THE LOCATION OF THE AP'S ON FLOOR PLANS AFTER THE SURVEY.
3. QUALIFIED BIDDER IS REQUIRED TO CARRY OUT WIRING BETWEEN THE ACCESS POINT(S) FROM THE RESEPTIVE "HUB ROOM" ON EACH FLOOR TO THE AP LOCATION.
  - a. Each AP should have at least 2 Nos. of copper gigabit Ethernet wiring to the hub room.
4. QUALIFIED BIDDER WILL HAVE TO PROVIDE REQUISITE FIXERS TO MOUNT THE AP ON THE CELING.
5. Bidder's are advice to come for survey on prior appointment with the undersigned on any working day between 3 to 5 within 15 Days from the date of publishing of tender notice.
6. Unpriced Financial Bid may be submitted in the technical bid also.
7. Bidders should provide index for the documents being submitted along with tender document

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## Acceptance Parameters for the proposed Wi-Fi solution

### Physical Installation (Device Mounting)

1. Power On the controller and carry out basic configuration check including the policies
2. Test the physical mounting of each wireless device
3. Test each wireless device connectivity to the central Controller.

### Server Configuration Test

1. Check authorized Wi-Fi set up for each Subnet / VLAN / Location as the case may be
2. Check both Authorized user and Guest user policies
3. Test each wireless device if they have the right authorized and guest policy
4. Check Wi-Fi prevention policy for each subnet, VLAN and location
5. Check the configured alerts and alert delivery methods
6. Check the administrative users and their access rights
7. Check the configured reports (content, delivery frequency, recipient list)
8. Check the automatic backup and archival parameters

### System Commissioning Test

1. Test for all wireless devices connectivity to the Controller
2. Test and verify authorized AP inventory
3. Test and verify authorized client inventory
4. Verify external AP list
5. Verify uncategorized / unauthorized client list
6. Verify if all authorized wireless devices are tagged to right location
7. Test for authorized client connection to authorized AP and respective SSID as per the set authentication policy
8. Test for Guest client connection to authorized AP and respective SSID as per the set authentication policy
9. Test if the devices are operational after shutting down the controller
10. Test if automatic Rogue AP prevention is working on all types of rogue APs
11. Test if automatic misconfigured AP prevention is working on all types of rogue APs
12. Test if unauthorized client association to authorized AP is automatically prevented
13. Test if automatic client Mis-association prevention is working
14. Test if Ad-hoc Networks are detected and automatically prevented
15. Test if Mac-Spoofing is detected
16. Test if automatic prevention of Honeypot (with Multipot) is functional
17. Test is Denial of Service (DoS) Attack is detected
18. Testing of deployment of policies, firmware updation remotely through the controller

### System Hand Over to the Operations Team

This step ensures that the WIPS has been properly installed and commissioned before it is handed over to the operations and maintenance team.

### System Fine Tuning

1. Fine tune Wi-Fi Access policies
2. Fine tune security policies
3. Rebuild authorized device inventory and remediate mis-configured APs
4. Fine tune events, alerts, reports and other parameters

Note: **The entire testing exercise should complete in two weeks' time from the Date of supply.**





Commercials

**Delivery period:** Should be below 45 Days; **Warranty:** Five Years; **Price bid Validity:** 90days.

**Note:**

*In both Warranty and Extended Warranty, the support inclusive of 4 hrs. Response and next business day replacement for the Hardware.*

*NIA reserves all the rights to change the required quantity.*

*Bidder should agree and supply the required no. of additional equipment's (if required) at the prices quoted in this tender as when the order is placed by NIA with-in **six months of duration**.*

*All quoted products and supply should be of latest Hardware and Firmware. Bidder should supply the supporting document that the quoted product is not nearing end of life and end of support.*

*All items quoted and supplied should be of brand new and not refurbished or used once.*

*This price bid format is indicative; bidders may quote for additional items, if any required for successful completion of entire project / all activities.*

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To \_\_\_\_\_

Sub: **OEM's Authorized Partners for this Tender**

Sir,

I/We \_\_\_\_\_(Bidder/OEM) having my/our registered office \_\_\_\_\_(address of the OEM) am/are an established manufacturer of bidder/OEM) solely authorize \_\_\_\_\_(Name of the bidders/OEM's) authorised partner) to supply, install and provide warranty support on our quoted product for above mentioned tender. I/We have established that above authorized partners meet all tender eligibility conditions defined for OEM's 'authorized partners. I/We also have entered in an agreement with our all 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 also ensure to provide the service support for the supplied equipment for a period of \_\_\_\_\_years from date of installation of the equipment as per tender terms & conditions.

3. I/We also undertake that in case of default in execution of this tender by the any of authorized partners viz \_\_\_\_\_(name of the authorized partners), the \_\_\_\_\_(Bidder/OEM) shall take all liabilities and responsibilities and necessary steps for successful execution of maintenance/service support.

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

(Authorized signatory)

Name & Designation \_\_\_\_\_





### PRICE BID FORMAT

Sl.No.	Description	Unit	Qty	Rate	Amount
1.	AP's as per technical specifications	Nos			
2.	Controller as per technical specifications	Nos			
3.	Caballing including all necessary items as per technical specifications				
4.	Installation/Commissioning and testing as per technical specifications				
5.	Any other items				
6.	GST %				

Amount in Words \_\_\_\_\_

Signature of the contractor  
(Name & Address)  
Seal of the firm

- (1) No cutting/overwriting is allowed. Use of eraser or white fluid for making any correction in the price bid is strictly prohibited. Tender may be rejected for this reason.

