

All India Institute of Medical Sciences (AIIMS), New Delhi

AMENDMENT NO. – III

Dated: 09.05.2018

Name of Project: Development of Campus wide Digital Network Solutions and Services for New Blocks at Masjid Moth, AIIMS New Delhi & NCI Jhajjar.
Tender No. : HSCC/AIIMS/IT/2018 dated 13/04/2018
Reply to Pre Bid Queries raised by bidders during pre -bid meeting held on 26.04.2018 at AIIMS, New Delhi

S. No	Volume, Page, Clause	Tender Document Clause	Pre-bid Queries	Reply
1	Volume I, Page 5, Point 2	<p>Similar Projects Experience:</p> <p>1) Experience of having completed similar works for Indian client during the last 7 years ending previous day of last date of submission of bid</p>	<p>Since the project is of the great importance to the AIIMS and looking at the magnitude of the work as well and to increase the competition, we request you to please allow the Consortium or Joint venture.</p> <p>Eligibility Criteria clause in your RFP Eligibility Criteria clause in your RFP participate and allowing only limited participation which further reduce the competition. Request you to kindly amend this clause to allow larger participation with more competitive solutions.</p> <p>Bidder should have experience for IT Hardware/Software cumulative value not less than 80% of estimated cost.</p> <p>Experience of having completed similar works for Indian client during the last 10 years ending previous day of last date of submission of Bid.</p> <p>Eligibility Criteria clause in your RFP is restricting MSME Bidder to participate and allowing only limited participation which further reduce the competition. Request you to kindly amend this clause to allow larger participation with more competitive solutions.</p> <p>Please allow one PO of 50% value and three PO of 20% value with project completion certificate. Or please allow six PO of 20% each with completion.</p> <p>Bidder should have experience for IT Hardware/Software cumulative value not less than 80% of estimated cost.</p>	No change, tender condition prevails.
2	Volume II, Page 25, Point 36	<p>CLAUSE 36 Payment Terms The standard payment terms shall be as below:</p> <p>(a) Hardware (Active and Passive items) & Software for LAN & Wi-Fi works</p> <p>(i) 50% on delivery & inspection of the equipment at site subject to submission of inspection report. (ii) 25% on installation and commissioning of the equipment. (iii) 25% on Activation of all services covered under scope of project & handing over to the Client.</p>	<p>As the project will require good amount of investments & upfront expenses, therefore we request you to please amend the payment terms as under:</p> <p>(i) 60% on delivery & inspection of the equipment at site subject to submission of inspection report. (ii) 30% on installation and commissioning of the equipment. (iii) 10% on Activation of all services covered under scope of project & handing over to the Client.</p>	No change, tender condition prevails.

3	Volume I, Page-5 1.1 Eligibility Criteria for Bidders:	<p>Similar Projects Experience:</p> <p>1) Experience of having completed similar works for Indian client during the last 7 years ending previous day of last date of submission of bid:</p> <p>The bidder should meet following criteria compulsory:-</p> <p>Three similar completed works each costing not less than the amount equal to 40% of the estimated cost.</p> <p>Or</p> <p>Two similar completed works each costing not less than the amount equal to 60% of the estimated cost.</p> <p>Or</p> <p>One similar completed work of costing not less than the amount equal to 80% of the estimated cost.</p> <p>And</p> <p>One completed work of similar nature (either part of the above work(s) or a separate one) costing not less than the amount equal to 40% of the estimated cost with some Central/State Government Organization /Central Autonomous Body/Central Public Sector Undertaking.</p> <p>Similar works means-</p> <p>Bidder should have successfully completed Turnkey Projects related to development of IT Network Infrastructure including supply, installation, testing, commissioning and maintenance of network components which mainly covers</p> <ol style="list-style-type: none"> 1. Network switches i.e. Core Switch, Distribution Switch, Access Switch, etc. 2. Wireless Access Controller, wireless access points, etc. 3. Firewall 4. Network Management Solution 5. Passive components i.e. CAT cables, Fibre optics cables, racks, etc. 	<p>We suggest to consider the system integrators having Telecom Services experience also for fulfillment of this Criteria as TSP's are having experience of handling, deployment and operations of large projects.</p> <p>We request hereby to amend the definition of Similar works as following: Bidder should have successfully completed Turnkey Projects related to development of IT Network Infrastructure/ IT Infrastructure including supply, installation, testing, commissioning and maintenance of</p> <ol style="list-style-type: none"> 1. Network switches i.e. Core Switch, Distribution Switch, Access Switch, etc. AND/OR 2. Wireless Access Controller, wireless access points, etc. AND/OR 3. Firewall and other Network Security Solution AND/OR 4. Network Management Solution AND/OR 5. Passive components i.e. CAT cables, Fibre optics cables, racks, etc. AND/OR 6. Turnkey IT Infrastructure including Server, Storage, Network Security etc. AND/OR 7. Core/Edge Routers for IP/MPLS Network AND <p>One or multiple work order of IT Network Infrastructure with minimum of 1000 Switch including Core/Distribution/ Access, executed (either part of the above work(s) or a separate one) with some Central/State Government Organization /Central Autonomous Body/Central Public Sector Undertaking.</p> <p>There are very few Networking Projects in India of such quantum as prescribed in AIIMS RFP. Hence asked Qualification criteria are not widely available with System Integrators. However we understand that AIIMS looks for credible SIs who can deliver Project of such magnitude. In order to meet said criteria of Work order value executed, we request to allow IT Infrastructure along with Network Security and Routers as well in "Similar work" definition. Additionally in order to provide Network Infrastructure experience, AIIMS may ask for separate order(s) establishing network infrastructure setup experience.</p> <p>Similar works means- Bidder should have successfully completed Turnkey Projects related to development of Network Infrastructure along with/without followings:</p> <ol style="list-style-type: none"> 1. Supply, Installation & Commissioning of Server Hardware & software. 2. Supply, Installation & Commissioning of Computer Hardware i.e. Computers, Printers etc. 3. Establishment of Data Centre/Disaster Recovery Centre. 4. Operation & Maintenance. <p>Similar works means- The Bidder have experience of IT infrastructure to meet the experience criteria and documentary evidence required PO Copy along with completion certificate.</p>	No change, tender condition prevails.
4	Volume I, Page-6 1.1 Eligibility Criteria for Bidders:	Solvency Certificate Solvency Certificate from bidder of the amount equal to 40% of the estimated cost.	<p>We request you for relaxation in the positive net worth clauses for a telecom company since the telecom is capital intensive sector and require huge initial investment in spectrum and Plant & Equipment. It is not uncommon for a telecom company to incur losses and have negative net worth or the Credentials of Parent Company would be included while computing Net worth</p> <p>Or</p> <p>Applicants having paid up share Capital of more than 500 crores may be considered eligible for fulfillment of this criteria</p> <p>Please modify this clause as: As per you requirement for solvency Certificate up to 10% of the estimated cost .</p>	No change, tender condition prevails.
5	Volume I, Page-6 1.1 Eligibility Criteria for Bidders:	The bidder should have positive Net Worth and should not have incurred any loss in more than Two years in last Five years ending FY 2016-17 duly certified by the Chartered Accountant.	<p>We request you for relaxation in the positive net worth clauses for a telecom company since the telecom is capital intensive sector and require huge initial investment in spectrum and Plant & Equipment. It is not uncommon for a telecom company to incur losses and have negative net worth or the Credentials of Parent Company would be included while computing Net worth</p> <p>Or</p> <p>Applicants having paid up share Capital of more than 500 crores may be considered eligible for fulfillment of this criteria</p> <p>Please modify this clause as: Profit and Loss The bidder should have positive Net Worth and should not have incurred any loss in last 3 years ending FY 2016-17 duly certified by the Chartered Accountant.</p> <p>Request you Please to delete the above mentioned clause for Positive net worth.</p>	No change, tender condition prevails.
6	Volume III, Page-16 Clause 29. Insurance Policies	(b) the agency/firm for his liability: (i) during the OEM warranty/operation & maintenance period for loss or damage arising from a cause occurring prior to the commencement of the OEM warranty/operation & maintenance period, and (ii) for loss or damage occasioned by the agency/firm in the course of any operations carried out by him for the purpose of complying with his obligations under Clauses 22 aforesaid	Please clarify the project stage upto which the insurance cover is to be taken by Agency viz a viz the point of transfer of equipment to client/HSCC to avoid recess/legal issues at a later stage	Amended. Refer to the point no. 9 at Annexure I.

7	Volume II, Page-11.2 Deviation, Extra Items and Pricing	In the case of extra item (s) (items that are completely new, and are in addition to the items contained in the Contract), the agency/firm may within fifteen days of receipt of order or occurrence of the item(s) claim rates, supported by proper analysis, for the work and the Engineer-in-Charge/Client shall within one month of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the agency/firm, determine the rates on the basis of the market rates and the agency/firm shall be paid in accordance with the rates so determined.	We understand that the details of such items are to be submitted post LOA and subsequently approved by engineer incharge. In case such items are essential to start and commissioning of project than this time period will be excluded while calculating the project delays	No change, tender condition prevails.
8	Volume I, Page 18 2.20 Award of Contract	i. The Agency/firm shall not sub-contract the whole of the works. The agency/firm shall not subcontract any part of the work without notifying and getting prior approval from the HSCC/Client. ii. The agency/firm shall be responsible for observance, by all sub-agencies/firms, of all the provisions of the Contract. The Agency/firm shall be responsible for the acts or defaults of any sub-agency/firm, his representatives or employees, as fully as if they were the acts or defaults of the Successful Bidder, his representatives or employees. The Agency/firm shall provide to the Engineer, the details of all the sub contracts including terms and conditions of the contracts. The Agency/firm shall be solely responsible for the performance of the sub agency/firm and for making payments to the sub-agency/firm.	Consortium may please be allowed a Project of this magnitude where Technical / Experience Eligibility fulfillment should be allowed including credentials of all consortium member, Financial parameters may be fulfilled by Lead bidder only	No change, tender condition prevails.
9	Volume I, Page 5, 1.1, Eligibility criteria for Bidders	A copy of work order for completion of similar works along with satisfactory performance Certificate from Client providing details about cost of work, actual date of completion, reference of Purchase Order/Work order /Agreement must be submitted for each work along with the bid. Refer Form T2.	We request you to kindly accept the Purchase Order along with Installation report/final acceptance instead of performance certificate as government departments generally do not issue such certificates as per their guidelines.	No change, tender condition prevails.
10	Volume I, Page 8,1.15, Penalty Clause (Compensation for delay)	This is a Time Bound Project and no time over run is acceptable/ payable. Only bidders who can deliver project in time only need to apply. This tender provides strong disincentive clause as compensation for delay of work @ 1.5 % per month of delay to be computed on a per day basis. Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the Tendered value of the item or group of items of work for which a separate period of completion is originally given.	We request you to please revise the penalty to 0.5% per month computed on daily basis with a maximum capping of 3% of the project value. Also, if there are issues pertaining to site readiness, right of way, any delay from customer's side or any delay caused by material, resource & schedule which is out of scope of service provider will be excluded from penalty. Service provider will add additional time over and above 8 months for the same if any delays are caused owing to above factors.	No change, tender condition prevails.
11	Volume IV, 7.1.4.6 Penalty on the account of Delay in Commissioning, Page 21	The entire work, shall be completed and 'Go Live' within 4 months from the date of hand over of the site/commencement letter. Failing this, liquidated damages at a rate of 1/2 % of the work order amount per week of delay beyond the stipulated period for the delayed portion of the contract will be levied for delay.	We understand that delivery, payment and penalty clause mentioned in RFP separately. Please remove this clause.	Amended. Refer to the point no. 13 at Annexure I. Refer to penalty clauses and compensation for delay clauses in Volume I & II.
12	Volume III, Special Conditions of Contract Billing & Certification - Clause 25 (d)	Retention Money (this sub clause supersedes clause 7 of GCC (Vol II) Within 15 days of award of work, The agency/firm shall furnish a bank Guarantee from any nationalized /Scheduled bank for an amount of 2.5% of the contract price in the form approved by the Engineer and having validity upto completion period with a claim period of six months.... Retention money at the rate of 5% (five percent) shall be deducted from each interim certificate subject to the maximum of 5% of the contract price after approval by engineer.	Since the vendor shall be submitting a Performace Bank Guarantee of 10%, the provision of deducting 5% Retention Money from each of the running bills should not be required. We request you to kindly remove the clause for deduction of 5% amount from running bills.	No change, tender condition prevails.
13	Volume III_Specific Conditions of Contract Page 20 (clause 37 Operations and Maintainance work) Volume I, Clause No. 2.7 (e), Page no. 12	The agency shall carry comprehensive onsite operation, maintenance and support services of the entire system for 5 years after satisfactory completion of entire work. Further CAMC for period of 5 years (6th, 7th, 8th, 9th & 10th years) will be carried out if awarded after 5 years operation & maintenance support. CAMC quotation for 6th Year upto 10th Year	The life of Electronic equipments is 7 years. Bidders are asked to quote AMC for 5 years after Installation sign-off. Please advice the scope for years 6 to 10 support charges if this is not in the road-map of OEM. Also, please advice on the criteria for award of AMC from Years 6 to 10 (after expiry of the base contract). Please keep CAMC provision upto 7 Years only. CAMC quotation beyond 7th Year may not feasible as none of the OEMs extenbd their Product support beyond 7 Years.	No change, tender condition prevails.

14	Page 26 of Volume II, CLAUSE 38 Site Preparation	The supplied Hardware and other equipments are to be installed at the site. The agency/successful bidder will provide the electricity or generator, UPS & internet connectivity during implementation period of this project. The agency shall perform a site inspection to verify the appropriateness of some sites and determine any structural or other changes that need to be carried out, before dispatch of the Hardware. All changes required shall be furnished along with the bid. Before the dispatch of the hardware equipment from their factory and within 30 days of the issue of order, the vendor may be required to prepare the detailed Site Requirement Document and complete the site preparation work.	The end customer will provide the electricity or generator, UPS & internet connectivity during implementation period of this project.	HSCC will facilitate the successful bidder to provide electricity on chargeable basis. However, the bidder will be responsible for arranging the electricity.
15	Volume III, Page 6 Clause 8. Agency/firm's General Responsibilities	The successful agency/firm is bound to carry out any items of work necessary for the completion of the job even though such items are not included in the bill of quantities and rates instructions in respect of such additional items and their quantities will be issued in writing by the Consultant.		No change, tender condition prevails.
16	Additional PQ Criteria		We request hereby to add ISO/IEC 20000-1 : 2011 OR ISO/IEC 27001:2013 which certify Information Technology Service Management System. ISO/IEC 20000-1:2011 is a service management system (SMS) standard. It specifies requirements for the service provider to plan, establish, implement, operate, monitor, review, maintain and improve an Service Management system. Considering AIIMS being premier institute of Country, we request hereby to add above clause so that well established SI participate for this Tender.	No change, tender condition prevails.
17	Volume I, Clause no. 1.15, Page No. 8	Completion Period of Project is mentioned " 8 Months"	There are different blocks within AIIMS Delhi Campus and there is also NCI Jhajjar Campus. We would like to undersatnd, will there be 8 Calender months timeline for each of the blocks seperately from date of notification to start work for Particular Blocks. Please Clarify. In case 8 Calender months is for Complete Project, we request to extend it to atleast 12 months.	No change, tender condition prevails.
18	Volume I, Clause no. 2.20 (g), Page no. 18	Right to modify the design	We understand here that any suggestion of modification is at stage of Drawing approval only. Any Modification post approval of Engineer in Charge after work being started shall not to be taken into consideration. Please confirm.	No change, tender condition prevails.
19	Volume II, Clause 37	Factory Inspection	Defined inspection criteria are not standard ask for IT OEMs. Hence request to consult prominent OEMs if they will be able to manage such factor Inspection reports.	Amended. Refer to the point no. 10 at Annexure I.
20	Volume II, Clause 38	Site Preparation	We request HSCC to manage and Provide electricity. It will not be feasible to arrange electricity by IT Vendor.	No change, tender condition prevails.
21	Volume III, Clause no. 29.1.2	Insurance of Works	Under SI Scope or work, Insurance of Goods shall be limited till delivery of the Goods at designated site warehouse only. Once it is handed over at customer site, SI should not be liable for any damage to those goods except damage caused specifically by SI.	Amended. Refer to the point no. 9 at Annexure I.
23		New Clause	Bidder Should have CMMI Level 3 Certified company	No change, tender condition prevails.
24		1 Project for 16 Crore or 2 Project for 24 Crore cumulative or 3 Project for 32 Crore cumulative and One completed work of similar nature (either part of the above work(s) or a separate one) costing not less than the amount equal to 40% of the estimated cost with some Central/State Government Organization /Central Autonomous Body/Central Public Sector Undertaking.	Request you to remove restriction for work experience with Central/State Government Organization /Central Autonomous Body/Central Public Sector Undertaking.	No change, tender condition prevails.
25			Please add clause for accepting credentials for parent company as well on behalf of bidder.	No change, tender condition prevails.

26	Volume I, Page 7, Clause 1.8	Bidders are also advised to read Insurance clause applicable for this project work. Accordingly, Insurance to be done by the agency/firm as per Clause 29 of Volume-III in the tender document for all the items supplied at site valid up to handing over to the Client (Till completion of project).	Please note that the Bidder shall ensure that the necessary insurance is procured and the same shall be valid upto the delivery of the consignment, if any, to the designated location. This shall only be applicable for the hardware manufactured by bidder. As we are providing third party products, we may not be able to provide insurance based on the requirements of the RFP	No change, tender condition prevails.
27	Volume I, Page 7, Clause 1.12 and 1.13		Bidder requests for the deletion of this clause as it may be likely that one or more of such Bidder's employees may have relatives linked to the project. However, the Bidder shall duly ensure that no intentional fraudulent activity shall take place.	Amended. Refer to the point nos. 1, 2 & 3 at Annexure I.
28	Volume I, Page 8, Clause 1.14 and Pae 14, Clause 2.15 (b)		Please note that the Bidder shall not make any amendment or modifications to the bid, provided no amendments are made to the RFP post the bid submission by HSSC and/or the Client.	Amended. Refer to the point no. 4 at Annexure I.
29	Volume I, Page 8, Clause 1.15	Liquidated damages	Bidder requests for the following addition to the clause and amendment to the language, "Notwithstanding anything stated to the contrary, the aggregate of all penalties and liquidated damages under this Contract shall not exceed 10% of the Total Contract Value. Any penalty shall be levied only for reasons solely attributable to the Bidder. Penalty shall constitute the Client's HSSC's sole and exclusive remedy against the Vendor for such defect/delay". Please note that we require an overall aggregate cap on all the penalties and liquidated damages being levied upon bidder. Further, bidder shall only be held liable for its direct acts and this should be AIIMS's only remedy against bidder. Further, this has to also be confirmed by Business, Delivery and Pricing.	No change in clause 1.15, tender condition prevails.
30	Volume I, Page 8, Clause 1.19	indemnity	Bidder requests for the deletion of this clause and the Bidder shall further pay any such penalties levied directly to the statutory authority, at the actuals. We shall not be paying any amount on an indemnity basis to AIIMS, however, if bidder defaults in complying any statutory obligations, we shall directly pay such statutory authorities the penalty that is levied.	No change, tender condition prevails.
31	Volume I, Page 13, Clause 2.8 (ii) (f)	Bid Security (in original) and clause 2.20 (d)	Bidder requests for the clause to be read as, "f. The Bid Security shall be forfeited if a bidder withdraws his bid during the period of bid validity, provided no further amendments are made to the RFP by the Client or HSSC, post the bid submission or in the case of the successful bidder, if he fails to furnish the necessary performance security, post entering into the mutually agreed Contract within the mutually agreed time limit".	No change, tender condition prevails.
32	Volume I, Page 16, Clause 2.17 Determination of eligibility and responsiveness (g)		Bidder requests that they shall be allowed to submit the bid along with deviations, if any. However, the Bidder shall keep the deviations limited to only the vital clauses, so as to ensure the proper functioning of the project.	No change, tender condition prevails.
33	Volume I, Page 17, Clause 2.20 (c)	Signing the Contract	Please note that the Parties shall mutually stive to sign the Contract within 30 days of the award of the letter of intent and the Contract shall have mutually agreed terms and conditions.	No change, tender condition prevails.
34	Volume II, Page 5, Clause 1 (iii)	Performance Bank Guarantee	Bidder requests for the deletion of the clause. Please note that termination of the contract shall not lead to the forfeiture of the Bank Guarantee.	No change, tender condition prevails.
35	Volume II, Page 5, Clause 1 (A)	Performance Bank Guarantee	Bidder requests for the deletion of the clause. The entire PBG shall be paid once the mutually agreed contract is signed and there shall be no deduction from the EMD.	No change, tender condition prevails.

36	Volume II, Page 6, Clause 2	Compensation for delay	<p>Bidder requests for the following addition to the clause and amendment to the language, "Notwithstanding anything stated to the contrary, the aggregate of all penalties and liquidated damages under this Contract shall not exceed 10% of the Total Contract Value. Any penalty shall be levied only for reasons solely attributable to the Bidder. Penalty shall constitute the Client's HSSC's sole and exclusive remedy against the Vendor for such defect/delay".</p> <p>Please note that we require an overall aggregate cap on all the penalties and liquidated damages being levied upon IBM. Further, IBM shall only be held liable for its direct acts and this should be AIIMS's only remedy against IBM. Further, this has to also be confirmed by Business, Delivery and Pricing.</p>	No change, tender condition prevails.
37	Volume II, Page 6, Clause 3; Clause 11, Page 14; Clause 12, Page 16	When the Contract can be determined; Deviations/Variations extent and Pricing; Foreclosure of the Contract;	Please note that any changes to the contract should be mutually discussed and agreed between the Parties.	No change, tender condition prevails.
38	Volume II, Page 20, Clause 21 (2) and Volume III, Special Conditions of the Contract (Clause 38)	Settlements of Disputes and Arbitration; Arbitration	<p>Bidder requests for the deletion of the existing clause and the following clause shall be inserted instead, "This Contract shall be governed by laws of India. Disputes arising out of this Agreement shall be first referred to the senior executives of each party for an amicable solution. If the dispute is not resolved within a period of thirty (30) days, the same shall be referred to arbitration in accordance with Arbitration and Conciliation Act, 1996 (including all amendments thereto). Each party shall appoint one arbitrator each and the two appointed arbitrators shall appoint the third arbitrator. The decision of the arbitrators shall be final and binding on both parties. The venue of arbitration shall be New Delhi, India. Subject to the above, this Agreement shall be subject to the jurisdiction of the courts of Delhi, India".</p> <p>This clause is a red flag and cannot be accepted. Also, the suggested language is provided.</p>	No change, tender condition prevails.
39	Volume II, Page 21, Clause 22	Agency/Firm to indemnify	<p>The Bidder requests the clause to be read as, "Bidder shall indemnify the Client for any third party claims by paying any court awarded damages, resulting from infringement of any patent or copyrights in respect of products provided by them to the Client to the extent such products are unmodified by the Client and/or its personnel and agents, provided the Client notifies the Bidder in writing immediately when the the Client becomes aware of the claim. However, (i) the Bidder has sole control of the defense and all related settlement negotiations (ii) the Client provides the Bidder with the all the assistance, information and authority reasonably necessary to perform the above along with providing assistance in defense and settlement, including any mitigation efforts; and (iii) the Client does not make any statements or comments or representations about the claim without the prior written consent of the Bidder, except where the Client is required by any authority/regulator to make a ommment/statement/representation.</p> <p>This is a red flag and the suggested language is provided.</p>	No change, tender condition prevails.
40	Volume II, Page 21, Clause 25 and 26 (Page 22)	Witholding payment	Bidder reuquests for the deletion of this clause.	No change, tender condition prevails.
41	Volume II, Page 24, Clause 32 and 33 (Page 25)		Bidder requests for the deletion of this clause as it may be likely that one or more of such Bidder's employees may have relatives linked to the project. However, the Bidder shall duly ensure that no intentional fraudulent activity shall take place.	Amended. Refer to the point nos. 6, 7 & 8 at Annexure I.
42	Volume III, Page 7, Clause 10 (b)	Force Majeure	Please note that the Client's payment obligations shall not be suspended during any force majeure event.	No change, tender condition prevails.
43	Volume III, Page 8, Clause 12	Compliance with laws	Please note that the Bidder shall comply with all the laws and regulations to the extent they are applicable to the Bidder's business in India. If any penalty is levied on the Client due to any non-compliance by Bidder, Bidder shall directly pay any such penalties to such statutory authorities, at the actuals.	No change, tender condition prevails.

44	Volume III, Page 10, Clause 17	Access for Inspection	<p>Please note that the following , "Any inspection and audits shall be conducted only to verify if Bidder is performing services in accordance with the service levels. A third party auditor may be appointed only with the mutual consent of the parties on a non-contingent basis after he has executed a confidentiality agreement with the Bidder. Bidder is not obligated to share any information relating to Bidder's costs, Bidder proprietary data, confidential information of Bidder's other customers and internal audit reports of the Bidder.</p> <p>Such audit shall be conducted (a) upon thirty days prior written notice to Bidder; (b) no more than once each calendar year; (c) only in relation to the previous twelve months' activities; (d) during normal business hours; and (e) to the extent it does not interfere with Bidder's ability to perform the services in accordance with the contract.</p> <p>Bidder is not obligated to share any information relating to Bidder's costs, Bidder proprietary data, confidential information of Bidder's other customers and internal audit reports of the Bidder. Such audit shall be conducted (a) upon thirty days prior written notice to Bidder; (b) no more than once each calendar year; (c) only in relation to the previous twelve months' activities; (d) during normal business hours; and (e) to the extent it does not interfere with Bidder's ability to perform the Services in accordance with the contract".</p> <p>Legal considers this as a red flag because any audit shall be limited to only the services that we are providing to AIIMS and appropriate confidentiality obligations should be in place.</p>	No change, tender condition prevails.
45	Volume III, Page 10, Clause 18	Assignment	<p>Bidder requests for the addition of the following statement, "Assignment of Bidder's rights to receive payments or assignment by Bidder in conjunction with the sale of the portion of Bidder's business that includes a product or service is not restricted".</p> <p>Non-inclusion of the suggested language is a red-flag and approvals are required from WW team for this.</p>	No change, tender condition prevails.
46	Volume III, Page 11, Clause 20	Variations	<p>Please note that any changes to the contract should be mutually discussed and agreed between the Parties.</p>	No change, tender condition prevails.
47	Volume III, Page 15, Clause 29	Insurance Policies	<p>Please note that Bidder has sufficient insurance policies (globally) to comply with the requirements and shall only be liable to provide insurance upto the delivery of the products at the designated location.</p> <p>As we are providing third party products, we may not be able to provide insurance based on the requirements of the RFP.</p>	Amended. Refer to the point no. 9 at Annexure I.
48	Limitation of Liability	Limitation of Liability	<p>Bidder requests for the addition of the following clause, "Bidder's entire liability for all claims related to the contract will not exceed the amount of any actual direct damages incurred by Client up to the amounts paid (if recurring charges, up to 12 months' charges apply) for the product or service that is the subject of the claim, regardless of the basis of the claim. The Bidder will not be liable for special, incidental, exemplary, indirect, or economic consequential damages, or lost profits, business, value, revenue, goodwill, or anticipated savings. These limitations apply collectively to the Bidder, its affiliates, contractors, subprocessors, and suppliers".</p> <p>This is an extremely vital clause and a definite red flag, if not included in the RFP. Bidder can agree to cap the liability at TCV also. However, the exclusion of indirect damages is required.</p>	No change, tender condition prevails. Refer to amended clause at point number 9 at Annexure I.

Please note that this Amendment no. – III, shall form part of the tender and all others terms & conditions of the tender shall remain unchanged.

Prospective bidders are advised to regularly scan through HSCC e-tender portal <http://www.tenderwizard.com/HSCC> as corrigendum/amendments etc., if any, will be notified on this portal only and separate advertisement/communication will not be made for this.

Chief General Manager, HSCC (I) Ltd.
For & on Behalf of Director, AIIMS, New Delhi

Reply to Pre Bid Queries (Technical) raised by bidders during pre -bid meeting held on 26.04.2018 at HSCC's Corporate Office, Noida

S.No.	Volume/Tender Clause No./Page No./Point No.	Tender Clause	Description/Tender Specifications	Query/Suggestion/Clarification/Observation	Reply
1	Volume-IV, Page no. 82	2.1 24 Core Single-Mode(SM) 9/125 μm OS2 Armoured Multi-Tube Optical Fiber Cable 6 cores, 12 cores and 24 cores:-	Attenuation (of cable with fibers): At 1310 nm : ≤ 0.35 dB/km	As per standard that should be between 0.36 to 0.40 dB/Km, requested please change.	No change, Tender condition prevails
2	Volume-IV, Page no. 84	2.2 12 CORE Multi-Mode 50/125 μm OM4 Armoured Multi-Tube Optical Fiber Cable 6 cores and 12 cores:-	Attenuation (of cable with fibers): At 850 nm : ≤2.7dB/km At 1300 nm : ≤= 0.8 dB/km	As per standard that should be 850 nm : ≤=3.0 dB/km 1300 nm : ≤= 1.0 dB/km requested please change.	No change, Tender condition prevails
3	Volume-IV, Page no. 87	2.5 Fiber Optic Pigtail 9/125 Singlemode OS2 LC Type:-	Operating Temp. : -10°C to 75°C	In India weather that kind of temprature is not required , please change on -10°C to 60°C	No change, Tender condition prevails
4	Volume-IV, Page no. 87	2.5 Fiber Optic Pigtail 9/125 Singlemode OS2 LC Type:-	Connector Insertion Loss : 0.30dB(Max)	As per standard that should be between 0.36 to 0.40 dB/Km, requested please change.	No change, Tender condition prevails
5	Volume-IV, Page no. 87	2.6 Fiber Optic Patch Cord LC-LC 9/125 OS2 Singlemode:-	Connector Loss : 0.30dB(max)	As per standard that should be between 0.36 to 0.40 dB/Km, requested please change.	No change, Tender condition prevails
6	Volume-IV, Page no. 87	2.6 Fiber Optic Patch Cord LC-LC 9/125 OS2 Singlemode:-	Operating Temperature : -10°C to +70°C	In India weather that kind of temprature is not required , please change on -10°C to 60°C	No change, Tender condition prevails
7	Volume-IV, Page no. 89	2. 9 Fiber Optic Patch Cord LC-LC 50/125 OM4 Multimode:-	Operating Temperature : -10°C to +70°C	In India weather that kind of temprature is not required , please change on -10°C to 60°C	No change, Tender condition prevails
8	Volume-IV, Pg 52, Sr 8	Core Switch	Switch should support IEEE for user authentications, accounting, RADIUS and TACACS.	IEEE is a rugalatory framework and have nothing to do with user authentication when Radius ,TACACS already been mentioned so suggest changing the clause as Switch should support user authentications, accounting, RADIUS and TACACS.	No change, Tender condition prevails
9	Volume-IV, Pg 57, Sr 7	Indoor Wireless Access Point	Access point could have Internal / External Bluetooth Low Energy beacon to support advance location based services for mobile engagement solutions and applications.	Suggest changing clause as Access point should support Spectrum analysis of non-Wi-Fi interference sources and identify them, including baby monitors, Bluetooth devices to encourage participation.	No change, Tender condition prevails
10	Volume-IV, Pg 58, Sr 18	Indoor Wireless Access Point	AP should be UL 2043 certified.	CE certificate is industry adopted norm. Suggested to change the clause to have Plenum or CE certification.	No change, Tender condition prevails
11	Volume-IV, Pg 59, Sr 1	Outdoor Wireless Access Point	Access point radio should be minimum 4X4 MU-MIMO with 4 spatial streams on 5 GHz and should also have 2.4 GHz.	Since 2X2 MIMO is sufficient technology to meet the throughout requirement , since 4x4 MIMO is highly futuristic ,suggest changing the clause as Access Point should be minimum 2x2 MU-MIMO with 2 Spatial streams	No change, Tender condition prevails
12	Volume-IV, Pg 59, Sr 7	Outdoor Wireless Access Point	Access point may have Internal / External Bluetooth Low Energy beacon to support advanced location based services for Mobile engagement solutions and applications.	Suggest changing as Access Point should support Bluetooth for IOT based applications	No change, Tender condition prevails
13	Volume-IV, Pg 59, Sr 13	Outdoor Wireless Access Point	Access point should have option of external power adaptor as well.	Suggest changing the clause as Access Point should support for External power adapter /Injector	No change, Tender condition prevails

14	Volume-IV, Pg 60, Sr 1	Wireless Controller	Each WLAN controller should support minimum of 1500 Access points. If any bidder can't provide WLAN controller to support 1500 AP in single RU form factor, multiple controllers, controllable through single master console, must be proposed to meet the requirement. The proposed controller should support N + N redundancy.	Different OEM supports different set of AP on WLAN controller hence to encourage participation suggest changing the clause as Each WLAN Controller should support minimum of 1000 Access points. If any bidder can't provide WLAN controller to support 1000 AP in single RU form factor, multiple controllers, controllable through single master console, must be proposed to meet the requirement. The proposed controller should support N+N /N+1 redundancy	No change, Tender condition prevails
15	Volume-IV, Pg 60, Sr 5	Wireless Controller	Controller should have capacity to handle minimum 20000 or more concurrent devices.	Different OEM supports different set of concurrent users on WLAN controller hence to encourage participation suggest changing the clause as Controller/Multiple controller should have capacity to handle minimum 20000 or more concurrent devices	No change, Tender condition prevails
16	Volume-IV, Pg 62, Sr 33	Wireless Controller	The WIPS solution should be able to detect and prevent if a client uses FATA-Jack 802.11 DoS tool (Available free on internet) and tries to disconnect other stations using spoofed authentication frames that contain an invalid authentication algorithm number.	Suggest changing the clause as The WIPS solution should be able to detect and prevent if a client uses tries to disconnect other stations.	No change, Tender condition prevails
17	Volume-IV, Pg 91, Sr 1	List of approved makes	Core Switch / Distribution Switch / Access Switch	We request you to please add Huawei as approved make.	No change, Tender condition prevails
18	Volume-IV, Pg 91, Sr 3	List of approved makes	Network Management Solution	We request you to please add Huawei as approved make.	No change, Tender condition prevails
19	Volume-IV, Pg 91, Sr 4	List of approved makes	Wireless Solution	We request you to please add Huawei as approved make.	No change, Tender condition prevails
20	Volume-IV, Pg 91, Sr 5	List of approved makes	Firewall	We request you to please add Huawei as approved make.	No change, Tender condition prevails
21	Volume-IV, Pg 91, Sr 8	List of approved makes	Server Hardware	We request you to please add Huawei as approved make.	No change, Tender condition prevails
22	Volume-IV, Pg 75, Sr 8	Smart Rack Type 1	The Rack should have Monitoring capability over IP with required system(SNMP)	Rack should have local monitoring through a 10 inches LCD display in addition to monitoring capability over IP through SNMP	Amended. Refer to Point No 50 at Annexure I.
23	Volume-IV, Pg 76, Sr 11	Smart Rack Type 1	The integrated monitoring system should allow monitoring of parameters like temperature, humidity, Fire alarm, rack sensor failure, smoke detection and other relevant parameters etc and also capable to send email alerts.	Rack should have local monitoring through a 10 inches LCD display in addition to monitoring capability over IP through SNMP	No change, Tender condition prevails
24	Volume-IV, Pg 77, Sr 2	Smart Rack Type 2	Integrated and contained Cabinet: 24U rack of 2200 mm maximum height with min 15U of usable space.	A cabinet of 42U size would be an optimum solution for the requirement.	Amended. Refer to Point No 56 at Annexure I.

25	Volume-IV, Pg 77, Sr 4	Smart Rack Type 2	3 KVA rack mount UPS 12 Volt SMF batteries with backup of 10 minutes. UPS should be mounted inside the integrated rack	Inbuilt battery pack of 6x9Ah would be provided.	Amended. Refer to Point No 58 at Annexure I.
26	Volume-IV, Pg 77, Sr 8	Smart Rack Type 2	The Rack should have Monitoring capability	Rack should have local monitoring through a 10 inches LCD display in addition to monitoring capability over IP through SNMP	No change, Tender condition prevails
27	Vol 4, Page No. 53, point no.2	Distribution Switch Type 3	Switch should have 12 x10G SFP+ports.	Change as "Switch should have 24/ 48 x10G SFP+ports." 12 Port 10G SFP+ Ports is not a standard configuration and favors to a specific OEM hence this shall be modified to 24/48 Port 10G SFP+ Ports for Multi-OEM participation	No change, Tender condition prevails
28	Vol 4, Page No. 53 Distribution Switch Type 3	Distribution Switch Type 3	The switch shall have two 40G QSFP+ ports.	2 x 40G QSFP+ on 12 Port form factor is not a standard configuration, available on 24 Port or 48 Port 10G SFP+ Models only. This favors to a specific OEM hence 2 x 40G QSFP+ ports shall be asked on 24/ 48 Port 10G SFP+ Switch.	No change, Tender condition prevails
29	Vol 4, Page No. 54	Distribution Switch Type 4	Switch should have 6 x10G SFP+ports and 6 x 10G 10G Base-T ports	Change as "Switch should have 24/ 48 x10G SFP+ports. " 6 Port 10G SFP+ & 6 port 10G Base-T Ports is not a standard configuration and favors to a specific OEM hence this shall be modified to 24/48 Port 10G SFP+ Ports for Multi-OEM participation	No change, Tender condition prevails
30	Vol 4, Page No. 54 Distribution Switch Type 4	Distribution Switch Type 4	The switch shall have two 40G QSFP+ ports.	2 x 40G QSFP+ on 12 Port form factor is not a standard configuration, available on 24 Port or 48 Port 10G SFP+ Models only. This favors to a specific OEM hence 2 x 40G QSFP+ ports shall be asked on 24/ 48 Port 10G SFP+ Switch.	No change, Tender condition prevails
31	Vol 4, Page No. 58 & 59 Outdoor AP	Outdoor Access Points 802.11a/b/g/n/ac Wave 2	Outdoor Access Points 802.11a/b/g/n/ac or Wave 2	There are limitation on the wireless client (Laptop/Mobile users) to support 4x4 802.11ac Wave 2. Therefore it shall be accepted for Multi-OEM participation	No change, Tender condition prevails
32	Vol 4, Page No. 58 & 59	Outdoor AP	Access Point radio should be minimum 4x4 MU- MIMO with 4 spatial streams on 5ghz and should also have 2.4ghz.	Change as" Access Point radio should be minimum 3x3 MU- MIMO with 4 spatial streams on 5ghz and should also have 2.4ghz." There are limitation on the wireless client (Laptop/Mobile users) to support 4x4 802.11ac Wave 2. It should be modified as 3x3 MU-MIMO. This shall be accepted for Multi-OEM participation	No change, Tender condition prevails
33	Vol 4, Page No. 58 & 59	Outdoor AP	Access Point should be 802.11ac Wave 2.	Change as" Access Point should be 802.11ac" There are limitation on the wireless client (Laptop/Mobile users) to support 4x4 802.11ac Wave 2. Therefore it shall be accepted for Multi-OEM participation	No change, Tender condition prevails

34	Vol 4,Page No. 60	Wireless Controller	Controller should have capacity to handle minimum 20000 or more concurrent devices.	Change as" Controller should have capacity to handle minimum 16000 or more concurrent devices." This favors to a specific OEM hence shall be modified to 16000 or more concurrent devices for Multi-OEM participation	No change, Tender condition prevails
35	Vol 4,Page No. 71	Network Access Control (NAC)	Complete NAC solution: open source (openNAC, or Packet Fence Preferred) or COTS	Please confirm wether other NAC solutions are also acceptable	No change, Tender condition prevails
36		Addition	Switch/Switch's OS should be EAL3/NDPP or Common Criteria Certified	This will maintain the vendor neutral platform while maintaining the security aspect keeping all the reputed vendors in the race to offer the solution .	No change, Tender condition prevails
37	VOL04_TechSpecs Page 60	(12. Wireless Controller & Security Solution) SI. No. 2	Should have at least 2 x 10 Gigabit Ethernet interface.	Please amend the same as " Should have at least 2 x 10 Gigabit Ethernet / SFP+ interface. OEM,s may have different interfaces on their Controller. Also please note that none of the Core switches have 10G Ethernet Port.	Amended. Please refer to point no. 38 at Annexure - I.
38	VOL04_TechSpecs Page 51	7.8 Technical Specification for Active devices and Passive devices	Switches: All Switches (Core, Distribution and Access) and Transceivers should be of same OEM.	Please amend the same as " Switches, NMS , AAA and Wi-Fi: solution All of them should be of same OEM. This will improve integrability and seamlessness of the solution with single OEM responsibility.	No change, Tender condition prevails
39	VOL04_TechSpecs Page 51 (1. Core Switch)	New Clause		Please add " The Switch shall have built-in Network analytics to assist the auto Python based programming of alerts and remediation." This will be great tool to service such complex network.	No change, Tender condition prevails
40	VOL04_TechSpecs Page 51 (7.8 Technical Specification for Active devices and Passive devices)	New Clause		Please add " The OEM of Network switches, Wi-Fi, NMS and AAA solution shall be in the Gartner leaders quadrant for wired & wireless LAN Infrastructure" This will be reasonable criteria for OEM and product evaluation and will ensure that AIIMS gets the trusted product with leading current generation Technology.	No change, Tender condition prevails
41	VOL04_TechSpecs Page 57	10. Indoor Wireless Access points) SI. No. 3	AP should have 1 G PoE LAN port.	Please ammend the same to " AP should have2 G PoE LAN port with Link Aggregation" The specs call for AP performance of mare than 1 Gbps and 2 * 1Gbps PoE ports with link aggregation will ensure that Access Point Performance is translated to the backend network alos.	No change, Tender condition prevails

42	VOI04,page 51	Tech Specs : 7.8 Technical Specification for Active devices and Passive devices	All switches should have inbuilt support for 802.3az/ Energy Efficient Ethernet/ Green Ethernet	802.3az/EEE is relevant for access switches where endpoint connects. Kindly change this to: All access switches should have inbuilt support for 802.3az/ Energy Efficient Ethernet/ Green Ethernet.	Amended. Please refer to point no. 15 at Annexure - I.
43	VOI04,page 51	Tech Specs : 7.8 Technical Specification for Active devices and Passive devices, 1. Core Switch	The ports on each core switch should be capable of supporting 1000Base-TX/1000Base-LX and 10G, 40G Direct-Attached Copper, 40G SR and 40G LR SFP+ connectivity options	Since the core switch is only planned for 10G, 40G & 100G ports, so 1000Base-TX/1000Base-LX are not relevant here and request to remove the same.	No change, Tender condition prevails
44	VOI04, page 54	Tech Specs : 7.8 Technical Specification for Active devices and Passive devices, 5. Distribution Switch- Type 4	Switch should have minimum 6 x10G SFP+ ports and 6x 10G 10G Base-T ports	Request to remove the 10G Base-T ports requirement if there are no devices supporting only the 10G Electrical port As most of the devices supporting 10G connectivity provides the 10G SFP+ ports because 10G fiber uses less power consumption than 10G copper ... Also the 10G copper switches are commonly provided with pure electrical ports (10G Base-T) rather than mix of Electrical and Optical ports.	No change, Tender condition prevails
45	VOI04, page 55	Tech Specs : 7.8 Technical Specification for Active devices and Passive devices,7. Access Switch 24 Port POE	All the ports should be usable at full power.	Whether all ports are required to support PoE+ (802.3at) or is it required to enable the PoE+ (802.3at) simultaneously on all ports? Normally the access switches doesn't support PoE+ (802.3at) simultaneously on all ports because of the power limitations and to allow that high-end switches with dual power feeds are required	Amended. Please refer to point no. 16 at Annexure - I.
46	VOI04, page 57	Tech Specs : 7.8 Technical Specification for Active devices and Passive devices,9. Access Switch 48 Port POE	All the ports should be usable at full power.	Whether all ports are required to support PoE+ (802.3at) or is it required to enable the PoE+ (802.3at) simultaneously on all ports? Normally the access switches doesn't support PoE+ (802.3at) simultaneously on all ports because of the power limitations and to allow that high-end switches with dual power feeds are required	Amended. Please refer to point no. 16 at Annexure - I.

47	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	The complete Network Management Solution (hardware and software etc.) providing secured web-based consoles to monitor devices as per BOQ, including servers and Applications. It should have scalability to manage up to 2500 devices approx. with support for SNMP v1-3, IPV4 & IPV6. It should be certified to run on Linux/CentOS/RHEL/Ubuntu/Other Linux.	Please remove the statement " servers and applications " as for the NMS, devices to be managed or monitored should be Switches or Access points (depending on the OEM solution) and servers/applications should be excluded from the scope. Whether the hardware is required to be supplied as OEM hardened appliance or can be provided as any third party x86 server	Amended. Please refer to point no. 17 at Annexure - I.
48	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	The Network Management Software should be able to discover layer3 & layer 2 heterogeneous environment and configure, monitor, manage, and deploy configurations to dynamically update groups of devices including virtual servers.	Please remove the statement " including virtual servers " as for the NMS, devices to be managed or monitored should be Switches or Access points (depending on the OEM solution) and servers should be excluded from the scope.	Amended. Please refer to point no. 18 at Annexure - I.
49	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	Solution must provide Wireless LAN Planning and Design, Network Monitoring and Troubleshooting, Indoor location monitoring capability, Centralized Software updates, Network mapping with floor plans for easier automated site survey.	As Switching and WLAN solution can be from two different OEMs providing two different NMS (one each for LAN and WLAN) so request to consider this point ad "Out of scope" for the Switching Solution OEM	Amended. Please refer to point no. 19 at Annexure - I.
50	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	Display the location of each rogue device on a building floor plan.	As Switching and WLAN solution can be from two different OEMs providing two different NMS (one each for LAN and WLAN) so request to consider this point ad "Out of scope" for the Switching Solution OEM	Amended. Please refer to point no. 20 at Annexure - I.
51	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	System should provide current list of clients connected to each AP, graphical details of wireless traffic & data rates on a per client basis, recent history of association with APs & adhoc networks for clients, alerts when wireless clients use interface bridging or Internet.	As Switching and WLAN solution can be from two different OEMs providing two different NMS (one each for LAN and WLAN) so request to consider this point ad "Out of scope" for the Switching Solution OEM	Amended. Please refer to point no. 21 at Annexure - I.
52	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	System should provide DNS response times for every user. Aggregated DNS response information per server.	As Switching and WLAN solution can be from two different OEMs providing two different NMS (one each for LAN and WLAN) so request to consider this point ad "Out of scope" for the Switching Solution OEM	Amended. Please refer to point no. 22 at Annexure - I.
53	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	System should provide client troubleshooting information including Association time.	As Switching and WLAN solution can be from two different OEMs providing two different NMS (one each for LAN and WLAN) so request to consider this point ad "Out of scope" for the Switching Solution OEM	Amended. Please refer to point no. 23 at Annexure - I.

54	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	Connection Sharing, trends for WLAN performance parameters, alert when wireless bandwidth is being wasted due to excessive auxiliary traffic, trends for WLAN performance parameters	As Switching and WLAN solution can be from two different OEMs providing two different NMS (one each for LAN and WLAN) so request to consider this point ad "Out of scope" for the Switching Solution OEM	Amended. Please refer to point no. 24 at Annexure - I.
55	VOI04, pg no. 63	NETWORK MONITORING SYSTEM (NMS)	System must be able to maintain recent history of connected clients for each AP for up to 2 years. Archive of logs.	As Switching and WLAN solution can be from two different OEMs providing two different NMS (one each for LAN and WLAN) so request to consider this point ad "Out of scope" for the Switching Solution OEM	Amended. Please refer to point no. 25 at Annexure - I.
56	Vol-IV, Page-80, 1.1	Copper cabling system- CAT 6A Foiled Twisted Pair cable	Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2/ 3P for 500MHz (ETL certificate to be enclosed along with the bid.	Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2 for 500MHz (ETL/3P certificate to be enclosed along with the bid.	Amended. Please refer to point no. 26 at Annexure - I.
57	Vol-IV, Page-80, 1.3	Copper cabling system- CAT 6A Shielded RJ 45 Jack	Must be compliant with latest ISO/IEC 11801 A1.1 draft and ratified TIA/EIA 568-C.2/ 3P for the support of 10GBASE-T.	Must be compliant with latest ISO/IEC 11801 A1.1 draft and ratified TIA/EIA 568-C.2 and should be verified 3P/ETL/GHMT for the support of 10GBASE-T performance(Quoted product certificate should be present at third party website)	Amended. Please refer to point no. 27 at Annexure - I.
58	Vol-IV, Page-81, 1.3	Copper cabling system	Under- Features The I/O should be UL/ third party certified (Authorized of govt. agencies).	The I/O should be UL Listed and ETL/3P / GHMT Verified	Amended. Please refer to point no. 28 at Annexure - I.
59	Vol-IV, Page-82, 1.5	Copper cabling system	The work area equipment cords shall be comply with TIA/EIA-568- C.2/3P Performance Specifications for 4 pair Category 6A Cabling	The work area equipment cords shall be comply with TIA/EIA-568- C.2 and Performance Specifications should be tested by ETL/#P in channel for 4 pair Category 6A Cabling (Test certificate should be present for quoted product on website third party lab)	Amended. Please refer to point no. 29 at Annexure - I.
60	Vol-IV, Page-84, 1.2		Construction Details:- UV Stabilized High density polyethylene (HDPE) LSZH.	UV Stabilized High density polyethylene (HDPE).	No change, Tender condition prevails
61	Vol-IV, Page-85, 1.7		Construction Details:- UV Stabilized High density polyethylene (HDPE) LSZH.	UV Stabilized High density polyethylene (HDPE).	No change, Tender condition prevails
62	Vol-IV, Page-86, 2.3		Fibre management enclosures that can be used as a wall mount enclosure for isolated applications or rack mount enclosure for integrated applications	Fiber management should be Rack mount enclosure	No change, Tender condition prevails
63	Vol-IV, Page-87, 2.4		Shuttered feature protects from light emissions and dust.	Inbuilt integrated self collapsable mettalic/non metallic shuttered	No change, Tender condition prevails
64	Vol-IV, Page-88, 2.7		Shuttered feature protects from light emissions and dust.	Inbuilt integrated self collapsable mettalic/non metallic shuttered	No change, Tender condition prevails

65	Vol-IV, Page-89, 2.11		Standard Acrylic unshielded RJ45 connector	Unshielded Field Termination Plug IP20 rated with Insulation Displacement Connection	No change, Tender condition prevails
66	Vol-IV, Page-65	14.Firewall	Firewall should support 200,000 new sessions per second	Today there are many applications which keep running on PCs / Servers / Laptops and which try to connect to internet for various downloads like windows updates / antivirus updates and other online applications. These application keeps opening sessions automatically. The firewall should not become a bottleneck in case of a virus or trojan generating huge nos of connections. To ensure that the firewall is capable of handling such traffic scenarios it is important that firewall is capable of handling very high concurrent sessions and new sessions per second. "It is suggested that the Firewall should support minimum 280,000 new sessions per second"	No change, Tender condition prevails
67	Vol-IV, point no. 24, Page-67	14.Firewall	IPS throughput should be minimum 12 Gbps for Mix / Production traffic	Today 80% of web traffic is encrypted. It is suggested that the inbuilt IPS functionality should be able to inspect SSL traffic and should be able to deliver at least 8 Gbps of SSL inspection throughput	Amended at point no. 45 in Annexure I.
68	Vol-IV, pt. no. 3, Page-57	10. Indoor Wireless Access Point	AP should have 1 G PoE LAN port.	Now a days all the enterprise AP have 2 GE ethernet PoE port with LACP, to bundle the bandwidth if required	No change, Tender condition prevails
69	3, Page-59	11. Outdoor AP	AP should have 1x10/100/1000 Ge LAN port.	Now a days all the enterprise AP have 2 GE ethernet PoE port with LACP, to bundle the bandwidth if required	No change, Tender condition prevails
70	22, Page-60	11. Outdoor AP	AP should support standalone mode/ Inbuilt Virtual controller mode for specific requirements.	Now a days, all the enterprise AP whether outdoor or indoor is managed by controller. For managegibility purpose, for security all the AP must be managed by controller. Request you to please modify this clause and change it to "Controller Managed AP"	No change, Tender condition prevails
71	2, Page-60	12. Wireless Controller	Should have atleast 2 x 10 Gigabit Ethernet interface.	Please change it to minimum 4 x 10G ethernet interface	No change, Tender condition prevails
72	Page-60	12. Wireless Controller	Security and Advanced WIDS/WIPS Features may be either integrated with controller or separate. (If separate then both should be of same OEM)	WIPS solution is altogether a separate solution and there are specialised vendor providing WIPS solution, request you to please remove same OEM condition for WIPS	No change, Tender condition prevails
73	6, Page-60	12. Wireless Controller	The controller should support 802.11ac standard.	Now a days, all the 802.11ac network is supporting 160MHz RF band, request you to please add "Wireless controller should support 20/40/80/160MHz RF Band"	No change, Tender condition prevails
74	4, Page-91	List of approved makes for IT work		Request you to please add Fortinet in approved make for Wireless Solution	Amended. Please refer to point no. 31 & 32 at Annexure I.

75	Volume IV, Page 51		All Active components and passive components and Operations and maintenance services should be quoted with minimum 5 years warranty including 24 X 7 Technical Assistance support. Price of CAMC for a period of 5 years after completion of warranty should be quoted.	All Active components and passive components and Operations and maintenance services should be quoted with minimum 5 years warranty including 24 X 7 OEM Technical Assistance support. It is required wherever it is provided by OEM. Price of CAMC for a period of 5 years after completion of warranty should be quoted.	Amended. Please refer to point no. 33 at Annexure - I.
76	New Clause		Proposed Technology vendor should be in Leaders Quadrant of Gartner Magic Quadrant in the respective technology of the current year	Proposed Technology vendor should be in Leaders Quadrant of Gartner Magic Quadrant in the respective technology of the current year	No change, Tender condition prevails
77	Volume IV, Page 51		2. Core switch should be configured with appropriate supervisory hardware with redundancy in power supplies and fans.	Should be read as - Core switch should be configured with redundant appropriate supervisory hardware with power supplies and fans redundancy.	No change, Tender condition prevails
78	Volume IV, Page 51		5. Each Core Switch should have minimum 4x100G, 40 ports of 40G QSFP and min 24 Ports 10G SFP+ wire speed from day 1.	5. Each Core Switch should have minimum 4x100G (distributed in multiple line cards), 40 ports of 40G QSFP (distributed in multiple line slots) and min 24 Ports 10G SFP+ wire speed from day 1.	No change, Tender condition prevails
79		New Clause	Line card provided for 40G connection should also support 100G connections by changing the transceivers.	Line card provided for 40G connection should also support 100G connections by changing the transceivers.	No change, Tender condition prevails
80		New Clause		Distribution switch should support stacking functionality	No change, Tender condition prevails
81		New Clause		Distribution switch should support stacking functionality	No change, Tender condition prevails
82	Volume IV, Page 53	Distribution Type 3 - 12x 10G ports		Remove this Distribution Switch	No change, Tender condition prevails
83	Volume IV, Page 54	Distribution Type 4 - 6x 10G SFP+ 6x 10G Copper		Remove this Distribution Switch	No change, Tender condition prevails
84	Volume IV, Page 57	Wireless Access point	AP should have 1 G PoE LAN port.	Access point should have 2x10/100/1000 Ethernet and serial/console port	No change, Tender condition prevails
85	Volume IV, Page 59	Wireless Access point	1. Access Point radio should be minimum 4x4 MU- MIMO with 4 spatial streams on 5GHz and should also have 2.4GHz.	Must support 2X2 multiple-input multiple-output (MIMO) with two spatial streams	No change, Tender condition prevails
86	Volume IV, Page 59	Wireless Access point	3. AP should have 1x10/100/1000 Ge LAN port.	Access point should have multiple wired uplink interfaces including 10/100/1000BASE-T Ethernet autosensing (RJ-45) and a build-in SFP port	No change, Tender condition prevails
87	Volume IV, Page 65	Firewall specification	Point 2 - The Proposed Firewall Vendor should be in the Leaders Quadrant of Gartner Magic Quadrant for NGFW.	Proposed firewall vendor should be leader or Challenger quadrant from gartner magic quadrant for Wired, Wireless and firewall	Amended. Please refer to point no. 34 at Annexure - I.

88	Volume IV, Page 65	Firewall specification	Point 3 - Firewall appliance should have at least 16 x 1GE interfaces, 8 x 1GE SFP interfaces 4 x 10G SFP+ interfaces	Firewall appliance should have 12x1G copper, 4x SFP+ and can provision to upgrade another 8 x SFP+ interface for near future.	Amended at point number 42 in the Annexure I.
89	Volume IV, Page 65	Firewall specification	Point 4 - Firewall Throughput should be 50 Gbps	Firewall throughput should be 10 Gbps	No change, Tender condition prevails
90	Volume IV, Page 65	Firewall specification	Point 5 - Firewall should support minimum 20 Gbps of VPN throughput	VPN throughput should be 3 Gbps	No change, Tender condition prevails
91	Volume IV, Page 65	Firewall specification	Point 8 - Firewall should support 200,000 new sessions per second	Firewall should support atleast 75000 in L3 or 40000 with L7 application traffic.	No change, Tender condition prevails
92	Volume IV, Page 65	Firewall specification	Point 9 - Firewall should support 10 Million concurrent sessions	Concurrent connection should be 3 million	No change, Tender condition prevails
93	Volume IV, Page 66	Firewall specification	Point 15 - The Firewall & IPSEC VPN module shall belong to product family which minimally attain Internet Computer Security Association (ICSA) Certification.	Please remove the clause	No change, Tender condition prevails
94	Volume IV, Page 66	Firewall specification	Point 16 - The proposed system should support a) IPSEC VPN b) PPTP VPN c) L2TP VPN	Please remove clause b) and c)	No change, Tender condition prevails
95	Volume IV, Page 67	Firewall specification	Point 22 - The proposed solution should support Virtualization (Virtual Firewall, Security zones and VLAN). Minimum 5 Virtual Firewall license should be provided.	Please remove virtual firewall	No change, Tender condition prevails
96	Volume IV, Page 67	Firewall specification	Point 24 - IPS throughput should be minimum 12 Gbps for Mix / Production traffic	IPS performance should be 7.5 Gbps	No change, Tender condition prevails
97	Volume IV, Page 68	Firewall specification	Point 32,33,34 - All Anti-Virus Features	Please remove this	No change, Tender condition prevails
98	Volume IV, Page 69		Point 42 - 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.	Please remove this	No change, Tender condition prevails
99	Volume IV, Page 69		Point 45 - High Availability Configurations should support Active-Active and Active-Passive.	High availability configuration should be active-standby	No change, Tender condition prevails

100	Page 52, Pt-9	Core Switch Specification	The Core Switches should support min 64K MAC addresses and min 4K active VLANs	You are requested to amend the clause as under: The Core Switches should support min 8K MAC addresses and min 4K active VLANs	No change, Tender condition prevails
101	Pg-75, Pt-3	Smart rack specification	Integrated and Redundant Precision Cooling Systems Suitable for 2x6 kW IT load with variable Scroll Technology (N+N redundancy)	Variable scroll technology is specific to particular OEM request you to allow variable/fixed scroll to allow equal level playing field for industry leading OEM	No change, Tender condition prevails
102	Pg-76, Pt-10	Smart rack specification	Air conditioning modules should be controlled by microprocessor based controller. It can be programmed to control the function of every device within the unit via I/O. The controller allows setting and monitoring of the room parameters. Unit utilizes multiple temperature sensors placed at the rack inlet, to ensure management and control of temperature by rack. Each unit should be connected up to 10 Sensors.	please rephrase: every/individual device as having room based control from AC controller is OEM specific and does not allow other OEM to participate	Amended. Please refer to point no. 51 at Annexure - I.
103	Pg-76, Pt-12	Smart rack specification	Humidifier is removable from the rear of the cabinet.	request to remove this clause as Humidifier based smart rack system is OEM Specific and does not allow other OEM to participate.	Amended. Please refer to point no. 52 at Annexure - I.
104	Pg-76, Pt-13	Smart rack specification	Cooling unit should have integrated heater and de-humidifier.	request to remove this clause as heater and de-humidifier based smart rack system is OEM Specific and does not allow other OEM to participate. In other OEM Smart Rack solution cold air is not coming in contact of room air hence there is no chance of humidity against the permissible limit	Amended. Please refer to point no. 53 at Annexure - I.
105	Addition	Regulatory Standard Compliance: ISO 9001, 14001, 18001 and UL 60950-1 Certified		All Other components in the RFP has got most of the international safety and security norms mentioned but nothing of this sort is asked in Smart Rack section, having a medical facility we highly recommend to please add	No change, Tender condition prevails
106	Addition	Major Item like , Rack, Cooling , Fire and monitoring system should be from same OEM		This will help in overall SLA of the project having single window service	No change, Tender condition prevails
107	Addition	OEM Experience: Min 10 Sites in NCR and one in AIIMS			No change, Tender condition prevails
108	7.1.1.1	The Networks of the above mentioned new Blocks should be integrated with existing network of AIIMS, New Delhi Campus.		This is understood that all technical configuration of DC and existing network is out of scope for this proposal. Further technical design of network is owned by AIIMS. Please provide details of integration expected from service provider.	Integration to be done at Core switch level.

109	7.1.1.1 4	The network shall be Optical Fiber upto Access switch & Cable Cat 6A thereafter (STP Cat 6A & Optical Fibre Cable).		Please clarify details of cabling after access switch whether it needs to be plain cat6A, STP Cat6A or Otical fiber. This is assumed that type of cabling for each end point is already completed by AIIMS as pert of design, and AIIMS will provide such details we ll in advance for execution of work.	CAT 6 A as per specification mentioned
110	7.1.1.1 4	The connection between any two switches will be FOC.		Plesae elaborate term FOC	Fibre Optic cable
111	7.1.1.1 5	In addition to the cable-based network, secured wireless network shall also be established for the above mentioned blocks and NCI Jhajjar.		We understand that all technical design is already completed by AIIMS. This RFP is for supply and implementation of design completed by AIIMS. Please provide details of expected scope of secured wireless network establishment by service provider.	Please go through Distribution of Active and Passive items – Blockwise mentioned in the volume 4 and also refer network diagrams.
112	7.1.1.1 6&7	The New OPD Block, Mother and Child Block and Surgical Block shall be connected to accessing AIIMS Network through FOC Connectivity as per following: ----- (The above mentioned FOC connectivity may change or increase as per the requirement of the Client at the time of commissioning)		Please suggest how this varibale pricing to be quoted as part of proposal. Please also give method of using such pricing for selection of L1 bidder.	Please refer BOQ for Quantities
113	7.1.1.1 9	All the FOC connectivity mentioned above must be provided with a redundant pathway through a separate route. The above mentioned FOC connectivity may change or increase as per the requirement of the Client at the time of commissioning.		We understand that all technical design is already completed by AIIMS. This RFP is for supply and implementation of design completed by AIIMS. Please provide details of expected deliverable for redundant path discovery by service provider.	refer scope of work and tender terms and conditions.
114	7.1.1.1 10	No Road cutting to be done for the laying of FOC, however, if required, it is to be done as minimum as possible for executing the work after approval from HSCC & AIIMS.		We understand that all technical design is already completed by AIIMS. This RFP is for supply and implementation of design completed by AIIMS. If any cable path to be discovered additional during order execution phase then same will be accounted as additional time over and above of planned executaion time of project. However in case of delay of discovery and approval of cable lying path, full payment to be made on planned project completion date.	refer scope of work and tender terms and conditions.

115	7.1.1.1 10 7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 25	No Road cutting to be done for the laying of FOC, however, if required, it is to be done as minimum as possible for executing the work after approval from HSCC & AIIMS. The Bidder shall be responsible for obtaining approvals (if any) for any Statutory &Regulatory requirements from any of the authorities	Bidder possess expertise in technical domain whereas approval from any Statutory &Regulatory body have other directions and mandates. All approvals from government/public/private authorities for completeing any part of work to be provided and owned by AIIMS. Please clarify if any deviation to this understanding.	AIIMS will facilitate.
116	7.1.1.1 13	Supply, Installation, Configuration, Testing, Commissioning, Integration, Operation & maintenance of network solution for network components		We understand that all technical design is already completed by AIIMS. This RFP is for supply and implementation of design completed by AIIMS. Plesae provide details of configuration to be completed on devices.	As per requirement of AIIMS, Configuration to be finalized at the time of installation and commissioning
117	7.1.1.1 13 7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 22	Supply, Installation, Configuration, Testing, Commissioning, Integration, Operation & maintenance of network solution for network components Bidder shall configure network management policies for managing all the network and security devices using network management systems	We understand that all Network and security policies are owned and provided by AIIMS for configurtions. Plesae provide details of configuration to be completed on devices.	As per requirement of AIIMS, Configuration to be finalized at the time of installation and commissioning
118	7.1.1.1 16	All the necessary licenses for the above equipment to be provided as per the requirements.		All material, licenses will be provided as bill of material given in network-5-21-4-18.pdf during bidding stage. Please clarify if any other deliverables for licenses to be completed under this clause.	As per tender document
119	7.1.1.1 17	All the above network equipment shall be offered with 5 years onsite comprehensive warranty and 24/7 support with response time within 4 hours & same day rectification (replacement of hardware).		This is understand that this clause is only for active componnets and not for passive componnets. For active componnets, hardware replcement suggested to be 8Hrs.	No change, Tender condition prevails

120	7.1.1.1 7.1.1.2	The scope of work shall also include the following: 1 Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 11&12	<p>Design, configure, testing at works, packaging, transportation, supply, handling at site, installation, laying, erection, testing, integration, training, acceptance test, commissioning of communication networks, as applicable along with associated equipment, hardware, software on a turnkey basis, inclusive of 5 years comprehensive warranty for operation & maintenance.</p> <p>LAN & Wi-Fi will be used for running Hospital Management Information System, PACS (Picture Archival and Communication System), internet and network facility, Access control system for employees, Biometric Attendance System, Patient Access System through scanning, display system including outside OPD / Consultant rooms, Common rooms Hall etc., Public Address System, Internal Telemedicine (Video Conferencing), Queue Management System, traffic and parking management etc. & other applications as per the requirement of the AIIMS, New Delhi.</p> <p>The entire infrastructure to be developed for providing above solutions and services with adequate speed and security as per the requirement</p>	We understand that all technical design is completed by AIIMS. This RFP is for supply, implementation and support of design completed by AIIMS. Bidder owns under this project. Any challenge/limitation and its impact due to design of network solution will be owned by AIIMS. Please clarify if any deviation in this understanding.	As in tender document. AIIMS has provided macro-level picture of design and implementation. The vendors are required to do micro-level details after site survey and come up with the final design of implementation.
121	7.1.1.1	The scope of work shall also include the following: 4	Racks for mounting of network equipment including dressing of cables with proper marking on both sides in the rack.	We understand that as part of network design by AIIMS, space for all racks are identified alongwith cable path and all approvals for rack installation already taken during design stage by AIIMS. Details for the same will be shared by AIIMS with successful bidder during initiation of project execution phase. Please clarify if any deviation in this understanding.	As in tender document. AIIMS has provided macro-level picture of design and implementation. The vendors are required to do micro-level details after site survey and come up with the final design of implementation.
122	7.1.1.1	The scope of work shall also include the following: 6	All cable laying including Fibre Optics cables inside and outside the buildings including excavation work required for laying of cables, conduit etc. Laying and installation of the cable should be as per the standard of industry norms.	Bidder will supply Material as per bill of material given by AIIMS during bidding stage. Please provide details and process for extra material needed to complete given scope of work.	As per tender document

123	7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 7&8	<p>Detailed shop drawings, concept drawings, indicating line diagram, route diagram showing details of laying underground, overhead or under wall cables, showing details of cable, switches, joint etc. complete in all respects to be submitted to AIIMS & HSCC for approval before ordering any item & start of execution work within 21 days of award of work. The design if required will be revised as per direction of AIIMS & HSCC before approval.</p> <p>Before ordering and laying cables, drawings and diagrams etc will be vetted from electrical, fire, civil, air-conditioning departments of AIIMS, and HSCC.</p>	<p>We understand that all technical design is completed by AIIMS. This RFP is for supply, implementation and support of design completed by AIIMS. Details for the same alongwith drawing will be shared by AIIMS with successful bidder during initiation of project execution phase. Bidder will supply Material as per bill of material given by AIIMS during bidding stage.</p> <p>This is assumed that all required approval for cable layout already approved by AIIMS during design phase completed by AIIMS.</p> <p>Please provide details of deliverable under this clause.</p>	<p>As in tender document. AIIMS has provided macro-level picture of design and implementation. The vendors are required to do micro-level details after site survey and come up with the final design of implementation.</p>
124	7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 9	<p>Bidder is responsible for all unpacking, assembling, wiring, installation, cabling between equipment and components and connection to power supplies. They will test all Systems operations and perform all the necessary setup, configuration and customization for successful operation of the Network at site.</p>	<p>We understand that power supply with Indian standard sockets (5A/15A) will be provided by AIIMS on all points, wherever power supply will be required.</p> <p>All power cabling, power sockets/switches, installation of sockets with switches, laying of power cables, civil work for lying power cables including plastering/painting etc... will be owned by AIIMS. Please provide clarity if any deviation to this understanding.</p>	<p>Power points will be provided, Minor civil works as per tender document is to be done by vendor.</p>

125	7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 15 Annexure-B 7.7 Proposed Network diagrams	LAN should be at least 100G Inter Core Switch, 40 Gigabit Ethernet on Optical fiber backbone from Core Switch to Distribution Switches and 10 Gigabit from Distribution Switches to Access Switches, and 1G from Access Switches to nodes. Bidder may propose a higher performance system which is capable to handle the needs of all new blocks AIIMS and NCI, Jhajjar.	Network diagrams provided in annexure -B are not clear as provided in RFP. Please provide clear copy of network architecture covering (1) high low view of campus networking including wan diagrams (2) Low level view of network diagram (per floor, building and campus) (3) User call flow diagram (4) Please provide design criteria, (5) Please provide data flow calculation from users and devices and its volume (6) Please provided estimated data flow graph over day	As in tender document. AIIMS has provided macro-level picture of design and implementation. The vendors are required to do micro-level details after site survey and come up with the final design of implementation.
126	7.1.3.2	Other terms & Conditions for operation & maintenance support services 4 & 5	Attendance of manpower engaged for operation & maintenance shall be verified by AIIMS and their payments to be made by client as per the payment terms	Please elaborate term "Client" in this clause.	Amended. Please refer to point no. 37 at Annexure - I.
127	7.1.4	Special Terms and conditions for development of IT solution and services	Installation of Hardware, including- a. Appropriate Server(s) along with OS, associated database & other related software for System security, including firewall, Controller, NMS, NAC, UTM etc. b. Associated hardware for Business Continuity & Backup.	Please clarify this clause on expected deliverable from bidder.	As mentioned in the BOQ
128	7.1.4	Special Terms and conditions for development of IT solution and services	Adequate stock (minimum 10% of the installed) of active & passive networking components including switches, cables, patch cords etc., to ensure immediate replacement in case of failures	10% of installed active & Passive networking is very high additional volume, whereas variety of hardware being asked as part of this RFP. Like core switches being installed will have to have another core switch in stock. This clause to be modified to mention adequate stock to meet requested SLA. Please also mention if any criteria on location of such stock.	Amended at point number 35 in the Annexure I.

129	7.1.4.3 Downtime Penalty 7.1.4.4 Penalty on the account of Operations & Maintenance Support Services 7.1.4.5 Penalty on the account of violation of Labour Laws	Penalty terms	Violation on more than three occasions shall make the vendor liable for debarring / backlisting with forfeiture of the PBG.	Please elaborate on this clause.	more than three Violation of any of the sub clauses under point no. 7.1.4
130	7.1.5	Definitions & Reference	1. Server-class systems Service Level requirements shall provide for services to ensure availability of appropriate server platform (e.g. type & no. of processors, network card, memory, etc.) coupled with operating system and middleware, for each specified server type. The services shall also include installation of application as required. These services shall be available to the AIIMS, New Delhi and NCI Jhajjar on an ongoing basis. 2. Security service: The Bidder shall be responsible for development, documentation and implementation of Network security management systems.	We understand that all technical design is already completed by AIIMS. This RFP is for supply and implementation of design completed by AIIMS. Please provide details of what is scope of this section to be delivered by bidder.	As in tender document. AIIMS has provided macro-level picture of design and implementation. The vendors are required to do micro-level details after site survey and come up with the final design of implementation.
131	VOL04_TechSpecs Page 60 (12.	Wireless Controller & Security Solution) SI. No. 2	Should have at least 2 x 10 Gigabit Ethernet interface.	Please amend the same as " Should have at least 2 x 10 Gigabit Ethernet / SFP+ interface. OEM,s may have different interfaces on their Controller. Also please note that none of the Core switches have 10G Ethernet Port.	Amended. Please refer to point no. 38 at Annexure - I.
132	VOL04_TechSpecs Page 51 (7.8	Technical Specification for Active devices and Passive devices)	Switches: All Switches (Core, Distribution and Access) and Transceivers should be of same OEM.	Please amend the same as " Switches, NMS , AAA and Wi-Fi: solution All of them should be of same OEM. This will improve integrability and seamlessness of the solution with single OEM responsibility.	No change, Tender condition prevails
133	VOL04_TechSpecs Page 51 (1. Core Switch)	New Clause		Please add " The Switch shall have built-in Network analytics to assist the auto Python based programming of alerts and remediation." This will be great tool to service such complex network.	No change, Tender condition prevails
134	VOL04_TechSpecs Page 51 (7.8 Technical Specification for Active devices and Passive devices)	New Clause		Please add " The OEM of Network switches, Wi-Fi, NMS and AAA solution shall be in the Gartner leaders quadrant for wired & wireless LAN Infrastructure" This will be reasonable criteria for OEM and product evaluation and will ensure that AIIMS gets the trusted product with leading current generation Technology.	No change, Tender condition prevails

135	VOL03_Specific Comditions of Contract Page 20	(clause 37 Operations and Maintainance work)	The agency shall carry comprehensive onsite operation, maintenance and support services of the entire system for 5 years after satisfactory completion of entire work. Further CAMC for period of 5 years (6th, 7th, 8th, 9th & 10th years) will be carried out if awarded after 5 years operation & maintenance support.	The life of Electronic equipments is 7 years. Bidders are asked to quote AMC for 5 years after Installation sign-off. Please advice the scope for years 6 to 10 support charges if this is not in the road-map of OEM. Also, please advice on the creteria for award of AMC from Years 6 to 10 (after expiry of the base contract).	No change, Tender condition prevails
136	Intelligent integrated/inbuilt infrastructure Rack for network infrastructure: (page -75)	Smart Rack Type 1	point 3 : Cooling Systems Suitable for 2x6 kW IT load with variable Scroll Technology (N+N redundancy)- Point 5: Thermal Containment:	What is meant by 2*6KW IT Load , this low cooling does not comes with digital scroll compresor (Point 3) , what is the specification for Thermal Containment (Point 5)	Amended at point number 47 & 49 in the Annexure I.
137	Intelligent integrated/inbuilt infrastructure Rack for network infrastructure: (Page-76-77)	Smart Rack Type 2	Point-2 24U rack of 2200 mm maximum height with min 15U of usable space.	Can we supply 42U as this is the standard rack size.	Amended. Please refer to point no. 56 at Annexure - I.
138	Technical Specification Point 33, Page- 67	for Firewall- 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:	Request you to remove SMTPS and POP3S,	No change, Tender condition prevails
139	Technical Specification Point 11,Page- 65 for Firewall-	Firewall specification	The solution should support minimum 4.5 Gbps of Threat Prevention (FW + IPS + AVC + AV) throughput for Mix / production traffic	Request you to amend provide the NGFW throughput instead of the combination is mentioned in the tender document as NGFW is a combination of FW+IPS with deep packet inspection + Application control.	Amended at point number 44 in the Annexure I.
140	Technical Specification Point 29, Page- 67 for Firewall- IPS	Firewall specification	IPS solution should have capability to protect against Denial of Service (DOS) and DDOS attacks. Should have flexibility to configure threshold values for each of the Anomaly. DOS and DDOS protection should be applied and attacks stopped before firewall policy look-ups	DDOS is a separate license to be taken along with NGFW. It should not be a part of IPS. Request you to amend the clause as DDOS should be part of NGFW solution.	No change, Tender condition prevails
141	66,14 - Point 12	Firewall specification	The Firewall solution should support NAT64, DNS64 & DHCPv6	Please explain the requirement of DNS64 in detail.	Amended. Please refer to point no. 40 at Annexure - I.
142	66,14 - Point 18	Firewall specification	Multi-zone VPN supports	Please explain Multi-Zone VPN in detail and also explain the requirement.	Amended. Please refer to point no. 41 at Annexure - I.

143	69,14 - Point 46		It should automatically transfer the archives of the logs to a NAS.	Does this have to be a functionality of the device or a script could be used to reach the functionality.	Yes
144	68,14 - Point 38	Firewall specification	The proposed system shall be able to query a real time database of over 110 million + rated websites categorized into 70+ unique content categories.	Please explain the need for 70+ categories. Solution has broader categories which are further divided into sub-categories.	Amended. Please refer to point no. 36 at Annexure - I.
145	Pg-5, Pt-9	Core Switch	The Core switches should support min 64K MAC addresses and min 4K active VLANs	The Core switches should support min 8K MAC addresses and min 4K active VLANs	No change, Tender condition prevails
146	Pg-75, Pt-3	Smart rack specification	Integrated and Redundant Precision Cooling Systems Suitable for 2x6 kW IT load with variable Scroll Technology (N+N redundancy)	Variable scroll technology is specific to particular OEM request you to allow variable/fixed scroll to allow equal level playing field for industry leading OEM	Amended. Please refer to point no. 47 at Annexure - I.
147	78 of Vol.4, 19. Server room specification	Electrical Work/UPS/AC (3. Fixing of Precision AC: 2 ton each X 4 nos.)	Please remove the Precision AC & mention comfort AC	Precision AC is required for the hardware equipments as it is already included in the smart racks. Kindly remove it from Server room specification.	No change, Tender condition prevails
148	79 of Vol.4, 19. Server room specification	SECURITY and MANAGEMENT (Data centre shall be developed as per the industry standard. Temperature in the data centre should be maintained between 15 to 20 degree Celcius)	Please make it (Data centre shall be developed as per the industry standard. Temperature in the data centre should be maintained between 20 to 25 degree Celcius)	Temperature is required for the hardware equipments as hardware equipment is placed in the smart racks. Kindly remove it from Server room specification.	No change, Tender condition prevails
149	78 of Vol.4, 19. Server room specification	Electrical Work/UPS/AC	Please clarify the MCB requirement in the rack	Please clarify the MCB requirement in the rack	As per requirement of Server room/ Data centre
150	Pg- 80	Allow for a minimum 50 reterminations without signal degradation		Industry norms are minimum 200 reterminations	No change, Tender condition prevails
151	Pg -81	Cat 6A 24 Jack/Patch panel Loaded		Shielded not specified	No change, Tender condition prevails
152	Pg -82	Cat 6A 24 Jack/Patch panel Loaded		Should be changed to Unloaded	No change, Tender condition prevails
153	VOL04, 7.1,Page 9, Point 6 b	Network Solutions & Services	40G SM FOC Connectivity between NOC 2 (near New Private Ward, AIIMS) and New OPD block.	Please clarify the block Location and floor of the NOC 2	Within AIIMS, New Delhi campus.
154	VOL04, 7.1,Page 10, Point 6 c	Network Solutions & Services	40G SM FOC Connectivity between network of New OPD Block and CDER.	Please clarify the block Location and floor of the CDER	Within AIIMS, New Delhi campus.
155	VOL04, 7.1.2,page : 15	Establishment of Server rooms, Data Centre (DC) and Disaster Recovery Centre (DRC)	All the related works to make Server Room operational covered under the scope of work	As Smart Racks is asked in the RFP we understand that all the requirement mentioned in the this clause are additional for the DC build and should be considered separately and not to be the part of Smart racks.	Yes

156	VOL04, 7.1.2,page : 15	Establishment of Server rooms, Data Centre (DC) and Disaster Recovery Centre (DRC)	All the related works to make Server Room operational covered under the scope of work	Please specify the DR Plan and Location to setup the DR, also its interconnectivity with the DC, and DR is in the Scope of Current RFP or not.	DRC will be cloud based solution. DRC setup is not in the current scope of work.
157	VOL04,Page 42	NCI Jhajjar	Schemation diagram of Hospital Block-OT	The Node Distribution of the Hospital Block-OT is not mentioned in the RFP, need Node Distribution clarification for solution requirement and mapping of BOQ	Refer annexure A volume 4
158	VOL04,Page 46	NCI Jhajjar	Schemation diagram of Hospital Guest House	The Node Distribution of the Hospital Guest House is not mentioned in the RFP, need Node Distribution clarification for solution requirement and mapping of BOQ	Refer annexure A volume 4
159	VOL04,Page 29, 30 Point 7.5.5 and 7.5.6	NCI Jhajjar	Node Distribution of Basic science research block and Research Hostel Block	In RFP node Distribution is provided for two Blocks Basic science research block and Research Hostel Block however, in The Schematic diagram page 49 of RFP only Research Block is mentioned, we do not find any schematic for Basic science research block and Research Hostel Block need clarification for solution requirement.	Research block is Basic Science Research block, Research Hostel is termed as Guest House.
160	VOL04, 7.6.1,Page 33	AIIMS New Delhi, New OPD Block	Node Distribution Of New OPD Block	Total Number Of Distributon Switches asked in the Node Distribution Sheet is 54 however in BOQ quantity asked is 12, Please carify required Number of Quantity for the Distribution Switch at the New OPD Block.	As per BOQ
161	VOL04,(page -75)	Intelligent integrated/inbuilt infrastructure Rack for network infrastructure: Smart Rack Type 1	point 3 :Integrated and Redundant Precision Cooling Systems Suitable for 2x6 kW IT load with variable Scroll Technology (N+N redundancy)-	What is meant by 2*6KW IT Load , this low cooling does not comes with digital scroll compressor.	Amended. Please refer to point no. 47 at Annexure - I.
162	VOL04,(page -75)	Intelligent integrated/inbuilt infrastructure Rack for network infrastructure: Smart Rack Type 1	Point 5: Thermal Containment:	Please Provide the specification for the same.	Amended. Please refer to point no. 49 at Annexure - I.
163	VOL04,(Page-76-77)	Intelligent integrated/inbuilt infrastructure Rack for network infrastructure: Smart Rack Type 2	Point-2 24U rack of 2200 mm maximum height with min 15U of usable space	Can 42U racks be supplied as this is the standard rack size for the Smart Racks.	Amended. Please refer to point no. 56 at Annexure - I.
164	VOL04, 7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution.	The Bidder shall be responsible for providing proper "Electrical ground" at all the required points as per the approved IEEE standards for Grounding of Sensitive Electronic Equipment and as per the OEM/industry guidelines.	As the Locations of the "Electrical ground" work will be Identified during the Planning and designing this work will be charged on actuals.	Cost deemed to be included in the BOQ
165	VOL04, 7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution.	The Bidder shall install and wire the UPS power at required locations and provide proper electrical ground for the same before installation of the equipment. Civil works if any required for installation of the system will be the responsibility of the Bidder.	As the Locations of the "UPS" work will be Identified during the Planning and designing this work will be charged on actuals.	Cost deemed to be included in the BOQ

166	VOL04, 7.1.1.3	Other terms & conditions and requirements Network Solution.	In case of additional hardware, software or any other work is required for completeness of the system, the same shall be provided by Bidder without any extra charges.	As the provided BOQ is tentative and final BOQ will be freezed after the Complete site survey hence and addition to the Component above and beyond the mentioned BOQ in RFP will be charged on Actuals	Cost deemed to be included in the BOQ
167	VOL04, 7.1.3	Providing Manpower for Operations and Maintenance and Helpdesk	Any other work for completion of the work as per the requirements.	We understand that all the required Component required for the Help desk like Ip Phones, Desktops, Furnitures and help desk softwares will be considered in the RFP costing. Please specify the number of seating required for the Help desk personals.	Only Manpower and software will be provided by the vendor.
168	Annexure-C, Section: 7.8 Technical Specification for Active devices and Passive devices. Clause: 1. Core Switch, Point 12:	TheCoreSwitchesshouldsupportfullIPv6feature slikeMLDv1/v2, OSPFv3, VRRPv3, BGP4+ and IPv6 management from day 1.	Kindly change VRRPv3 to VRRP only	Reason: Proposed solution support only VRRP feature, Partial support	No change, Tender condition prevails
169	Annexure-C, Section: 7.8 Technical Specification for Active devices and Passive devices. Clause: 1. Core Switch, Point 14:	The switch should have control plane policing feature to filter the unwanted traffic entering the CPU queues	Kindly remove this point	Reason: Proposed solution does not support said feature	No change, Tender condition prevails
170	Annexure-C, Section: 7.8 Technical Specification for Active devices and Passive devices. Clause: 12. Wireless Controller & Security Solution, Point 33:	The WIPS solution should be able to detect and prevent if a client uses FATA-Jack 802.11 DoS tool (Available free on internet) and tries to disconnect other stations using spoofed authentication frames that contain an invalid authentication algorithm number.	Kindly remove this point	Reason: Proposed solution does not support said feature	No change, Tender condition prevails
171	Annexure-C, Section: 7.8 Technical Specification for Active devices and Passive devices. Clause: 12. Wireless Controller & Security Solution, Point 34:	The WIPS solution should detect and protect if a client probe-request frame will be answered by a probe response containing a null SSID to crash or lock up the firmware of any 802.11 NIC	Kindly remove this point	Reason: Proposed solution does not support said feature	No change, Tender condition prevails
172	Vol-IV, Annexure-C, Section: 7.8 Technical Specification for Active devices and Passive devices. Clause: 16. Network Access Control (NAC): for 10000 concurrent devices/endpoints. Point 13:	Endpoint audit via NMAP scanning	Kindly remove this point	Reason: Proposed solution does not support said feature	No change, Tender condition prevails

173	182, Annexure-E	HP/Cisco/Juniper/Brocade/Extreme/DELL/Mellanox	we would like to request please mention EVEREST as approved make , Since we have show our complete product to AIIMS team was satisfy with our product . Everest is very know in NMS market .		No change, Tender condition prevails
174	Page No 154		As mention in RFP approved make. All mention brand are hardware OEM . They can provide NMS only for their deives. We would like to mention NMS should be common for all make and model and it should support hetrogenious devices.		No change, Tender condition prevails
175	Vol-IV, Page No 154		Please add helpdesk soltuion also part of this tender , Because with helpdesk solution we can have more effieciency and SLA for the project .		Already covered in the tender document
176	Vol-IV, 7.1.1.1 14	The bidder will arrange the power, UPS & Internet during the Installation, Configuration, and Testing period of the project.		We request to provide power for completion of work on different floor of building, as carrying power sources and lying of temporary power cable is with additional complexity. Power required for completion of work outside building will be provided by Bidder.	No change, Tender condition prevails
177	Vol-IV, 7.1.1.1	The scope of work shall also include the following: 8	Minor civil works (if required) such as chipping/ cutting of floors for making grooves, making holes/ opening through walls, ceiling or floors, drilling of holes through steel structures and frames, grouting of frames, hooks on walls/ceiling etc. required for execution of work. After erection, surface shall be made good by plastering/painting to their original shape and finish.	Our understanding is that all these buildings have conduit/ cable tray already provisioned during building construction phase and sufficient provision is given to lay cables on these conduit/cable tray as per of scope of this project. Wherever conduit/cable tray not provisioned during building construction phase, conduit will run over wall. In case of any minor civil work by bidder, bidder shall plaster surface whereas painiting work will be completed by AIIMS. Please clarify if any deviation in this understanding.	refer scope of work and tender terms and conditions.
178	Vol-IV, 7.1.1.1	The scope of work shall also include the following: 15	Number of Indoor/outdoor wireless units shall be installed to cover all the area of the New Blocks at Both the Campus as per the requirements depending on the physical layout and capacity of the wireless units for establishing wireless connectivity	We understand that all technical design is completed by AIIMS. This RFP is for supply, implementation and support of design completed by AIIMS. Bidder will supply Material as per bill of material given by AIIMS during bidding stage. Please provide details and process for extra material needed to complete given scope of work.	Refer tender document

179	7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 17 & 18	<p>The Bidder shall be responsible for providing proper "Electrical ground" at all the required points as per the approved IEEE standards for Grounding of Sensitive Electronic Equipment and as per the OEM/industry guidelines.</p> <p>The Bidder shall install and wire the UPS power at required locations and provide proper electrical ground for the same before installation of the equipment. Civil works if any required for installation of the system will be the responsibility of the Bidder.</p>	<p>As per our understanding, electrical work is not part of scope for this project. Also Electrical ground design is normally part of building design.</p> <p>Please elaborate on term used as "UPS Power: As per our understanding electrical power is provided and Owned by AIIMS.</p> <p>Plesae modify this clause of providing electrical ground as deliverable of AIIMS.</p>	No change, Tender condition prevails
180	7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 20	The Bidder shall configure quality of service parameters on network switching devices for end-to-end QoS for critical traffic over the network.	We understand that all technical design is completed by AIIMS. This RFP is for supply, implementation and support of design completed by AIIMS. As per our understanding configurable and feasible features to be enabled on devices, which will be supplied as per Bill of material provided by AIIMS during bidding stage. Please provide clarity if any deviation to this understanding.	As in tender document. AIIMS/HSCC has provided macro-level picture of design and implementation. The vendors are required to do micro-level details after site survey and come up with the final design of implementation.
181	7.1.1.2	Additional specific terms of the contract for establishment of Wired and Wireless Network Solution. 21	Bidder shall be responsible for integration of security components in the network to ensure a secured network access for users	Please provide details of integration of security components to be delivered as per of this project by bidder.	Refer tender document

182	7.1.1.3	Other terms & conditions and requirements	<p>1. The network solution including hardware & system software set up should be able to integrate with various software and system already running at AIIMS, New Delhi.</p> <p>2. The system should be capable of handling the HMIS, PACS and other applications as per the requirement of the Client.</p> <p>3. The network set up should be capable of providing high bandwidth internet/network connectivity in all the desktops, laptops, tablets or any other device as per the requirement.</p> <p>4. The Wi-Fi should be capable of connecting all the devices i.e. desktops, laptops, tablets etc. and offer high bandwidth connectivity.</p> <p>5. The system should be capable of deploying all the policies (i.e. Network, Security, etc.) as per the requirement of AIIMS, New Delhi.</p>	<p>We understand that all technical design is completed by AIIMS. This RFP is for supply, implementation and support of design completed by AIIMS. Bidder owns specification, and installation of componnet supplied under this project. Any challenge/limitation and its impact due to design of network solution will be owned by AIIMS. Please clarify if any deviation in this understanding.</p>	<p>As in tender document. AIIMS/HSCC has provided macro-level picture of design and implementation. The vendors are required to do micro-level details after site survey and come up with the final design of implementation.</p>
183	7.1.2	Establishment of Server rooms, Data Centre (DC) and Disaster Recovery Centre (DRC)	Plumbing for drainage	Please elaborate on scope of Plumbing for drainage	As per requirement of site
184	7.1.2	Establishment of Server rooms, Data Centre (DC) and Disaster Recovery Centre (DRC)	Redundant power supply	<p>We understand Mains and generator Power supply will be provided by AIIMS. Please Provide following details:</p> <ol style="list-style-type: none"> (1) Floor plan in autocad format (2) Floor structrual details (3) Floor load bearing capacity (4) Electrical HLD disgram (5) per rack electrical load details (6) DC network connectivity diagram and port details (7) Power connection diagram for mains power, specification along with location of transformer, (8) Details of generator power including location, capacity, model number. (9) PAC indoor and outdoor piping distance 	As per standards, Bidder can do site survey for more details.

185	7.1.3.1	Operations, Maintenance & Support Services 18	Help Desk Services: The Bidder has to maintain Dedicated on site 24x 7 Help Desk Service for end users manned by support personnel as mentioned above, to attend and initiate action on the problems related to IT network solution and services setup under the scope of this contract.	Please provide call volume for sizing of resources for helpdesk. Please also provide following details: (1) Details of Peak Hospital hours, Count and type of users, locations and call volume (2) Details of lean Hospital hours, Count and type of users, location and call volume (3) Please provide type of interfaces for logging ticket like Chat, call, Email etc...	Make the provision for all type of interfaces as per the industry standards.
186	7.1.3.1	Operations, Maintenance & Support Services 25	Bidder is required to execute all above work as per the requirements to make the help desk functional. Cost is to be included in the tender.	We understand AIIMS will provide onsite space for seating of onsite helpdesk and Operations/network support team. AIIMS will also provide table, chair, power and network connection for all helpdesk and Operations/network support team with gated security and access control, without any additional cost to bidder. Please confirm if any deviation to this understanding	Space, Furniture, Power, Security and access control for helpdesk facility will be provided by AIIMS.
187	Vol-IV, 7.2	Ownership of Data 7	Cost of the any additional hardware and software to be required for completeness of the system as per the Client's requirement to be covered in the present scope and Bill of Quantity. No additional charges to be paid for extra item.	We understand that bidder will supply Material as per bill of material given by AIIMS during bidding stage. Any additional hardware and software will be out of scope of this project. Please clarify if any deviation to this understanding.	No change, Tender condition prevails
188	Vol-IV, Pg- 51, Pt- 5	Each Core Switch should have minimum 4x100G, 40 ports of 40G QSFP and min 24 Ports 10G SFP+ wire speed from day 1.		Each Core Switch should have 40 ports of 40G QSFP and min 24 Ports 10G SFP+ wire speed from day 1.	No change, Tender condition prevails
189	Vol-IV, Pg-53, Pt-5	1 RJ-45 serial console port.		Please add 1xRJ-45 OR USB port as a console connection?	No change, Tender condition prevails
190	Vol-IV, Pg-54,Pt-5	1 RJ-45 serial console port.		Please add 1xRJ-45 OR USB port as a console connection?	No change, Tender condition prevails
191	Vol-IV, Pg-59,Pt-13	Access point should have option of external power adapto		Access point should have option of AC/PoE power sources.	No change, Tender condition prevails
192	Vol-IV, Pg-60, Pt-1	Wireless Controller specification	Each WLAN Controller should support minimum of 1500 Access points. If any bidder can't provide WLAN controller to support 1500 AP in single RU form factor, multiple controllers, controllable through single master console, must be proposed to meet the requirement. The proposed controller should support	Each WLAN Controller should support minimum of 1000 Access points in single RU form factor and multiple controllers in a cluster can support more than 1500 APs. The proposed controller should support N+N or N+1 redundancy.	No change, Tender condition prevails

193	Vol-IV, Pg-60, Pt-2	Wireless Controller specification	Should have atleast 2 x 10 Gigabit Ethernet interface.	Should have atleast 2 x 1 Gigabit Ethernet interface. 2x10G Gigabit Ethernet interface could be optional.	No change, Tender condition prevails
194	Vol-IV, Pg- 60, Pt- 4	Wireless Controller specification	Controller should have internal hot swappable redundant power supply.	If single controller proposed Controller should have internal hot swappable redundant power supply or there should be two controller proposed in HA mode.	No change, Tender condition prevails
195	Vol-IV, Pg- 61, Pt-18	Wireless Controller specification	The Controller Should provide a dashboard of spectrum quality in terms of the performance and impact of interference on the wireless network identifying the problem areas and channel utilization. Quoted Access Point should support this feature to send necessary data to controller.	The Controller Should provide information of spectrum quality in terms of the performance and impact of interference on the wireless network identifying the problem areas and channel utilization. Quoted Access Point should support this feature to send necessary data to controller.	No change, Tender condition prevails
196	Vol-IV, Pg-62, Pt- 31	Wireless Controller specification	For advance forensic WIPS solution should perform spectrum analysis to detect and classify sources of interferences. System should provide chart displays	Need to remove it	No change, Tender condition prevails
197	Vol-IV, Pg- 62, Pt- 34	Wireless Controller specification	The WIPS solution should detect and protect if a client probe-request frame will be answered by a probe response containing a null SSID to crash or	Need to remove it	No change, Tender condition prevails
198	Vol-IV, Pg- 63, Pt-36	Wireless Controller specification	The WIPS solution should detect and protect if a client/tool keeps on sending disassociation frames to the broadcast address (FF:FF:FF:FF:FF:FF) to	Need to remove it	No change, Tender condition prevails
199	Vol-IV, Pg- 63, Pt-40	Wireless Controller specification	When client radio is in sleep mode to save battery and AP then begins buffering traffic bound for that client until it indicates that it is awake. The WIPS solution should detect and protect if intruder tries sending spoofed frames to the AP on behalf of the	Need to remove it	No change, Tender condition prevails

All India Institute of Medical Sciences (AIIMS), New Delhi

AMENDMENT NO. – III

Name of Project: Development of Campus wide Digital Network Solutions and Services for New Blocks at Masjid Moth, AIIMS New Delhi & NCI Jhajjar.

S. No	Page, Clause	Tender Document Clause	Amended As
1	Volume I, Page 7, Clause 1.12	The agency/firm shall not be permitted to tender for works in case his near relative is Gazetted officer in All India Institute of Medical Science (AIIMS), New Delhi or in the Managerial cadre of HSCC and is directly dealing with the Project. Any breach of this condition by the agency/firm would disqualify him from tendering.	The agency/firm shall not be permitted to tender for works in case the board members of the agency/firm is having near relative as Gazetted officer or equivalent in All India Institute of Medical Science (AIIMS), New Delhi and/or in the Managerial cadre of HSCC and is directly dealing with the Project. Any breach of this condition by the agency/firm would disqualify them from tendering.
2	Volume I, Page 7, Clause 1.13	No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a agency/firm for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the agency/firm or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the agency/firm's service.	The agency/firm, from the date of publishing of NIT, is not permitted to associate Gazetted officer or equivalent of AIIMS who was employed in Engineering/IT department or Administrative department during first year from date of their resignation/superannuation from AIIMS without the prior permission of client in writing. This contract is liable to be cancelled if either the agency/firm or any of his employees is found any time that such a person who had not obtained the permission of the AIIMS as aforesaid before submission of the tender or engagement in the agency/firm's service.
3	Added at Volume I, Page 7, Clause 1.13A		The agency/firm, from the date of publishing of NIT, is not permitted to associate any officer of HSCC who was employed in Engineering/IT department or Administrative department during first year from date of their resignation/superannuation from HSCC without the prior permission of HSCC in writing. This contract is liable to be cancelled if either the agency/firm or any of his employees is found any time to be such a person who had not obtained the permission of the HSCC as aforesaid before submission of the tender or engagement in the agency/firm's

			service.
4	Volume I, Page 14, Clause 2.15 (b)	A Bidder may withdraw its submitted Bid, provided that written notice of the withdrawal is received by HSCC before the last date for submission of Bids. In case a Bidder wants to resubmit his Bid, he shall re-submit the Bid following all the applicable conditions. Re-submission will not be permitted more than once and till last date and time of submission as notified.	A Bidder may withdraw its submitted Bid, before the last date for submission of Bids. In case a Bidder wants to resubmit his Bid, he shall re-submit the Bid following all the applicable conditions. Re-submission will not be permitted after the last date and time of submission as notified.
5	Tender Documents		In the complete tender document, following may be substituted as client/Employer/Principal Employer: <ol style="list-style-type: none"> 1. Government 2. Government of India 3. Govt. 4. Department 5. President of India
6	Volume II, Page 24, Clause 32	The bidder shall not be permitted to tender for works in AIIMS, New Delhi (responsible for award and execution of contracts) in which his near relative is posted as Accountant or as an officer in any capacity between the grades of the Secretary and Group B Gazetted officer (both inclusive).	The bidder shall not be permitted to tender for works in AIIMS, New Delhi (responsible for award and execution of contracts) in which near relative of the board members of the agency/firm is posted as Accountant or as an officer in any capacity between the grades of the Secretary and Group B Gazetted officer or equivalent (both inclusive).
7	Volume II, Page 25, Clause 33	No Engineer of Gazetted rank or other Gazetted officer employed in Engineering or administrative duties in an engineering department of the Government of India shall work as a agency/firm or employee of an agency/firm for a period of one year after his retirement from government service without the previous permission of Government of India in writing.	The agency/firm, from the date of publishing of NIT, is not permitted to associate Gazetted officer or equivalent of AIIMS who was employed in Engineering/IT department or Administrative department during first year from date of their resignation/superannuation from AIIMS without the prior permission of client in writing.
8	Volume II, Page 25, Clause 33	Added after the above.	The agency/firm, from the date of publishing of NIT, is not permitted to associate any officer of HSCC who was employed in Engineering/IT department or Administrative department during first year from date of their resignation/superannuation from HSCC without the prior permission of HSCC in writing.
9	Volume III, Page 16, Clause 29.1.3 Scope of Cover (b)	the agency/firm for his liability: (i) during the OEM warranty/operation & maintenance period for loss or damage arising from a cause occurring prior to the commencement of the OEM warranty/operation &	the agency/firm for his liability: (i) Till the handing over of the project to client for any loss or damage arising from a cause occurring prior to the commencement of the OEM warranty/operation & maintenance period, and

		<p>maintenance period, and</p> <p>(ii) for loss or damage occasioned by the agency/firm in the course of any operations carried out by him for the purpose of complying with his obligations under Clauses 22 aforesaid.</p>	<p>(ii) for any loss or damage occasioned by the agency/firm in the course of any operations carried out by him for the purpose of complying with his obligations during the execution of the project.</p>
10	Volume II, Page 26, Clause 37	<p>Details of the tests to be carried out by the agency at factory site, on the proposed Hardware and system software will be submitted by the bidder within 30 days of the placement of order. These shall include information on but not be limited to:</p> <p>-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Diagnostic and other tests to be carried out to demonstrate the satisfactory functioning of the system (Hardware & System Software) <input type="checkbox"/> System/Subsystem tested with each test <input type="checkbox"/> Duration of the test <input type="checkbox"/> Number of passes <input type="checkbox"/> Error logs <input type="checkbox"/> Restoration procedures 	<p>Details of the tests to be carried out by the agency at factory site, on the proposed Hardware and system software will be submitted along with the requisite certification by the bidder within 30 days of the placement of order.</p>
11	Volume I, Page 20 Volume IV, Page 2 Added new point		<p>The employer may extend the scope of work for upcoming new blocks as per requirements in addition to the scope of work mentioned in Volume I, Page 20 and Volume IV Page 2.</p>
12	Tender Document, Volume I	<p>Last date To fill/upload the tender: 11/05/2018 upto 14:30 hrs. and Opening at 15.00 hrs. on same day.</p>	<p>Last date To fill/upload the tender: 22/05/2018 upto 14:30 hrs. and Opening at 15.00 hrs. on same day. Validity of EMD in the form of Bank Guarantee will be considered from original date of bid submission.</p>
13	Volume II, Page 8, Clause 3A	<p>If the PG is not released within prescribed time limit, then a simple interest @0.1% per month shall be payable on PG to the agency/firm.</p>	<p>Deleted.</p>
14	Volume IV 7.1.4.6 Penalty on the account of Delay in Commissioning, Page 21	<p>The entire work, shall be completed and 'Go Live' within 4 months from the date of hand over of the site/commencement letter.</p> <p>Failing this, liquidated damages at a rate of 1/2 % of the work order amount per week of delay beyond the stipulated period for the delayed portion of the contract will be levied for delay.</p>	<p>The entire work, shall be completed and 'Go Live' within 4 months from the date of hand over of the site/ issue of commencement letter.</p>
15	Volume IV, Page	<p>All switches should have inbuilt support for 802.3az/ Energy</p>	<p>All access switches should have inbuilt support for 802.3az/ Energy</p>

	51, Clause 7.8 - 6	Efficient Ethernet/ Green Ethernet	Efficient Ethernet/ Green Ethernet.
16	Volume IV, Page 55, Point 7, Clause 10 Volume IV, Page 57, Point 9, Clause 10	All the ports should be usable at full power.	50% of the ports should be usable at full power.
17	Volume IV, Page 63, Point 13, Clause 1	The complete Network Management Solution (hardware and software etc.) providing secured web-based consoles to monitor devices as per BOQ, including servers and Applications . It should have scalability to manage up to 2500 devices approx. with support for SNMP v1-3, IPV4 & IPV6. It should be certified to run on Linux/CentOS/RHEL/Ubuntu/Other Linux.	The complete Network Management Solution (hardware and software etc.) providing secured web-based consoles to monitor devices as per BOQ. It should have scalability to manage up to 2500 devices approx. with support for SNMP v1-3, IPV4 & IPV6. It should be certified to run on Linux/CentOS/RHEL/Ubuntu/Other Linux
18	Volume IV, Page 64, Point 13, Clause 3	The Network Management Software should be able to discover layer3 & layer 2 heterogeneous environment and configure, monitor, manage, and deploy configurations to dynamically update groups of devices including virtual servers .	The Network Management Software should be able to discover layer3 & layer 2 heterogeneous environment and configure, monitor, manage, and deploy configurations to dynamically update groups of devices.
19	Volume IV, Page 64, Point no. 13, clause no. 10	Solution must provide Wireless LAN Planning and Design, Network Monitoring and Troubleshooting, Indoor location monitoring capability, Centralized Software updates, Network mapping with floor plans for easier automated site survey.	Deleted.
20	Volume IV, Page 64, Point no. 13, clause no. 11	Display the location of each rogue device on a building floor plan.	Deleted.
21	Volume IV, Page 64, Point no. 13, clause no. 12	System should provide current list of clients connected to each AP, graphical details of wireless traffic & data rates on a per client basis, recent history of association with APs & adhoc networks for clients, alerts when wireless clients use interface bridging or Internet.	Deleted.
22	Volume IV, Page 64, Point no. 13, clause no. 13	System should provide DNS response times for every user. Aggregated DNS response information per server.	Deleted.
23	Volume IV, Page 64, Point no. 13, clause no. 14	System should provide client troubleshooting information including Association time.	Deleted.

24	Volume IV, Page 64, Point no. 13, clause no. 15	Connection Sharing, trends for WLAN performance parameters, alert when wireless bandwidth is being wasted due to excessive auxiliary traffic, trends for WLAN performance parameters	Deleted.
25	Volume IV, Page 64, Point no. 13, clause no. 16	System must be able to maintain recent history of connected clients for each AP for up to 2 years. Archive of logs.	Deleted.
26	Volume IV, Page-80, 1.1	Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2/ 3P for 500MHz (ETL certificate to be enclosed along with the bid.	Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2 for 500MHz (ETL/ 3P certificate to be enclosed along with the bid.)
27	Volume IV, Page-80, 1.3	Must be compliant with latest ISO/IEC 11801 A1.1 draft and ratified TIA/EIA 568-C.2/ 3P for the support of 10GBASE-T.	Must be compliant with latest ISO/IEC 11801 A1.1 draft and ratified TIA/EIA 568-C.2 and should be verified 3P/ETL/GHMT for the support of 10GBASE-T performance
28	Volume IV, Page-81, 1.5	The I/O should be UL/ third party certified (Authorized of govt. agencies).	The I/O should be UL Listed and ETL/3P / GHMT Verified
29	Volume IV, Page-82, 1.5	The work area equipment cords shall be comply with TIA/EIA-568- C.2/ 3P Performance Specifications for 4 pair Category 6A Cabling	The work area equipment cords shall be comply with TIA/EIA-568-C.2 and Performance Specifications should be tested by ETL/3P in channel for 4 pair Category 6A Cabling
30	Volume IV, Page-65, Point 14, Firewall Clause No. 8	Firewall should support 200,000 new sessions per second	Firewall should support minimum 200,000 new sessions per second
31	Volume IV, Page-91, List of Approved Makes	Network Management Solution - HP/Cisco/Juniper/Brocade/Extreme/ DELL/Mellanox	Network Management Solution - HP/Cisco/Juniper/Brocade/Extreme/ DELL/Mellanox/Fortinet
32	Volume IV, Page-91, List of Approved Makes	Wireless Solution (Wireless Access Point and Wireless Controller) - Aruba/Ruckus/Cisco/Juniper/Brocade/ Extreme /DELL/Mellanox	Wireless Solution (Wireless Access Point and Wireless Controller) - Aruba/Ruckus/Cisco/Juniper/Brocade/ Extreme /DELL/Mellanox/Fortinet
33	Volume IV, Page 51, Section 7.8, General Criteria	All Active components and passive components and Operations and maintenance services should be quoted with minimum 5 years warranty including 24 X 7 Technical Assistance support. Price of CAMC for a period of 5 years after completion of warranty should be quoted.	All Active components and passive components and Operations and maintenance services should be quoted with minimum 5 years warranty including 24 X 7 OEM Technical Assistance support. Price of CAMC for a period of 5 years after completion of warranty should be quoted.
34	Volume IV, Page	The Proposed Firewall Vendor should be in the Leaders	Deleted.

	65, Section 7.8, 14. Firewall Point 2 -	Quadrant of Gartner Magic Quadrant for NGFW.	
35	Volume IV, 7.1.4 Special Terms and conditions for development of IT solution and services	Adequate stock (minimum 10% of the installed) of active & passive networking components including switches, cables, patch cords etc., to ensure immediate replacement in case of failures.	Adequate stock (minimum 10% of the installed) of active & passive networking components including switches, cables, patch cords etc., to ensure immediate replacement in case of failures. It is applicable only for bulk items (Active and passive components)(excluding Core switch, Firewall, Servers, Wireless controller, NMS, NAC and Smart racks)
36	Volume IV, Page 68, Point 14 - Clause 38	The proposed system shall be able to query a real time database of over 110 million + rated websites categorized into 70+ unique content categories.	The proposed system shall be able to query a real time database of over 110 million + rated websites categorized into 70+ unique content categories/ sub-categories .
37	Volume IV, 7.1.3.2 Other terms & Conditions for operation & maintenance support services 4 & 5	Attendance of manpower engaged for operation & maintenance shall be verified by AIIMS and their payments to be made by client as per the payment terms	Attendance of manpower engaged for operation & maintenance shall be verified by AIIMS and their payments to be made by bidder as per the payment terms .
38	VOL04_TechSpecs Page 60 (12. Wireless Controller & Security Solution) Sl. No. 2	Should have at least 2 x 10 Gigabit Ethernet interface.	Should have at least 2 x 10 Gigabit Ethernet / SFP+ interface
39	Volume IV, Smart Rack Type 2, Point No. 18	Supplied with 5 years of warranty including batteries.	Solution should be supplied with 5 years of warranty including batteries.
40	Volume IV, Page - 66,14 - Point 12	The Firewall solution should support NAT64, DNS64 & DHCPv6	The Firewall solution should support NAT64, DNS64/"DNS extension to support IPv6" & DHCPv6
41	Volume IV, Page- 66,14 - Point 18	Multi-zone VPN supports	Multi-zone/ Multi-Interface VPN supports
42		Firewall appliance should have at least 16 x 1GE interfaces, 8 x 1GE SFP interfaces 4 x 10G SFP+ interfaces	Firewall appliance should have at least 8 x 1GE interfaces, 4 x 1GE SFP interfaces 2 x 10G SFP+ interfaces
43	Volume IV, Firewall Pg-65, 14, point 10	The Solution should support minimum 7 Gbps of NGFW (FW + IPS + AVC) throughput for Mix / Production traffic	The Solution should support minimum 7 Gbps of NGFW (FW + IPS + AVC) throughput.

44	Volume IV, Page-65, 14, point 11	The Solution should support minimum 4.5 Gbps of Threat Prevention (FW + IPS +AVC+AV) throughput for Mix / Production traffic	The Solution should support minimum 4.5 Gbps of Threat Prevention (FW + IPS +AVC+AV) throughput.
45	Volume IV, Page-67, 14, point 24	IPS throughput should be minimum 12 Gbps for Mix / Production traffic	IPS throughput should be minimum 12 Gbps.
46	Volume IV, Smart Rack Type 1, Point 2	Integrated and contained Cabinet: 42U rack of 2200 mm maximum height with min30U of usable space.	Integrated and contained Cabinet: 2 x 42U rack with min 50U of usable space.
47	Volume IV, Smart Rack Type 1, Point 3	Integrated and Redundant Precision Cooling Systems Suitable for 2x6 kW IT load with variable Scroll Technology (N+N redundancy)	Integrated and Redundant Precision Cooling Systems Suitable for 6 kW IT load with variable digital Scroll Technology (N+N redundancy)
48	Volume IV, Smart Rack Type 1, Point 4	2 x 10 KVA rack mount UPS with P.F. up to 0.9 & efficiency 92% ~94%. 12 Volt SMF batteries with backup of 10 minutes. UPS should be mounted inside the integrated rack and batteries would be kept external.	2 x 10 KVA rack mount UPS with P.F. up to 0.9 & efficiency 92% ~94%. 12 Volt SMF batteries with backup of 10 minutes (on full load). UPS and batteries should be mounted inside the integrated rack.
49	Volume IV, Smart Rack Type 1, Point 5	Thermal Containment	Thermal Containment – Both hot aisle and cold aisle
50	Volume IV, Smart Rack Type 1, Point 8	The Rack should have Monitoring capability over IP with required system(SNMP and HTTP/Web-management capability)	The Rack should have Monitoring capability over IP with required system (SNMP and HTTP/Web-management capability). Monitoring system should also have android/ios based application for handy monitoring.
51	Volume IV, Smart Rack Type 1, Point 10	Air conditioning modules should be controlled by microprocessor based controller. It can be programmed to control the function of every device within the unit via I/O. The controller allows setting and monitoring of the room parameters. Unit utilizes multiple temperature sensors placed at the rack inlet, to ensure management and control of temperature by rack. Each unit should be connected up to 10 Sensors.	Air conditioning modules should be controlled by microprocessor based controller. It can be programmed to control the function of every/ individual device within the unit via I/O. The controller allows setting and monitoring of the room parameters. Unit utilizes multiple temperature sensors placed at the rack inlet, to ensure management and control of temperature by rack.
52	Volume IV, Smart Rack Type 1, Point 12	Humidifier is removable from the rear of the cabinet.	Deleted.
53	Volume IV, Smart Rack Type 1,	Cooling unit should have integrated heater and de-humidifier.	Deleted.

	Point 13		
54	Volume IV, Smart Rack Type 1, Point 15	In case of cooling unit failure front door should automatically opened and exhaust system should start forced hot air removal.	In case of cooling unit failure both front and back door should be automatically open.
55	Volume IV, Smart Rack Type 2, Point No. 1	b) The Intelligent Integrated Infrastructure essentially includes internal redundant or backup power supplies, environmental controls (e.g., precision air conditioning, fire suppression, smoke detection, Water leak detection, humidity sensor etc.), security devices etc. Critical systems like UPS and Precision Air-conditioning system will have N+N topology respectively.	b) The Intelligent Integrated Infrastructure essentially includes internal redundant or backup power supplies, environmental controls (e.g., precision air conditioning, fire suppression, smoke detection, Water leak detection, humidity sensor etc.), security devices etc. Critical systems like UPS will have N+N topology respectively.
56	Volume IV, Smart Rack Type 2, Point No. 2	Integrated and contained Cabinet: 24U rack of 2200 mm maximum height with min 15U of usable space.	Integrated and contained Cabinet: 42U rack with min 24U of usable space.
57	Volume IV, Smart Rack Type 2, Point No. 3	Integrated Cooling Systems Suitable for 1 kW IT load with variable Scroll Technology	Integrated Cooling Systems Suitable for 2 kW IT load with fixed Scroll Technology
58	Volume IV, Smart Rack Type 2, Point No. 4	3 KVA rack mount UPS 12 Volt SMF batteries with backup of 10 minutes. UPS should be mounted inside the integrated rack	3 KVA rack mount UPS 12 Volt SMF batteries with backup of 10 minutes (on full load). UPS should be mounted inside the integrated rack (In N+N redundancy)
59	Volume IV, Smart Rack Type 2, Point No. 8	The Rack should have Monitoring capability	The Rack should have Monitoring capability. Monitoring system should also have android/ios based application for handy monitoring.