

Notice Inviting Tender



Management Development Institute -Gurgaon

Tender Ref. No.: MDIG/CC/2024-25/Network-NAB-GH/08

Tender Date: 24.08.24

Sub: Invitation of sealed quotations from reputed manufacturers or their authorized representatives for Network and WiFi at New Academic Block and Hostel (s).

Tender Schedule: -

Bid System	Two Bid System Financial Bid to be submitted in separate sealed envelope. Rest of the documents along with EMD to be submitted in separate sealed envelope as Technical Bid Both sealed envelopes of Technical and Financial Bid should be first sealed separately and then be placed in a single sealed bigger envelop superscribed "Bid for Network and WiFi at New Academic Block and Girls Hostel"
Last Date of Bid Submission	17.09.24 3:30 PM
Online Pre-bid meeting	06.09.24 3:00 PM Register for the Online Pre-Bid meeting by expressing intent to join online meeting by sending email to ittender@mdi.ac.in latest by 05.09.24 3:00 PM. Online meeting link will be shared with all those who register.
For any correction after Pre-bid meeting, the Addendum will be communicated on or after	On or after 06.09.24
Bid should be addressed to	Senior Systems Analyst Computer Centre Management Development Institute Mehrauli Road, Sukhrali Gurgaon - 122 007, Haryana (INDIA)
EMD	EMD of Rs. 20,00,000/- (Twenty Lakhs) through Demand Draft from any scheduled bank in favor of Management Development Institute Society payable at Gurugram, Haryana.

The Complete Tender details and any updates on the Tender will be available on the MDI Website at the link: <https://mdi.ac.in/infrastructure/tenders.html>

For any clarifications, write to Email- ittender@mdi.ac.in

The notice inviting bid along with instructions to bidders, Scope of Work, eligibility criteria, system of award of contract, etc. form part of the bid document containing 43 pages in all.

Sd/- For MDI-Gurgaon
(Senior Systems Analyst)

Checklist & Index for your bid

To help you prepare the best application possible, all items below need to be considered and ticked off. This will also assist us with assessment of your application.

During bid Submission, please keep this page after the cover page.

Checklist and Index of the required documents in the Order indicated Below

S.No. 1 to 10 would be part of Technical bid (sealed in separate envelope earmarked 'Technical Bid')

S.No.11 would be part of Financial bid (sealed in separate envelope earmarked 'Financial Bid')

S. No.	Document to be Attached	Whether Submitted	Mention Page Number
1.	Format-1 with all relevant documentary proof in the same serial order as given in format-1	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
2.	Format-2 with all relevant documentary proof in the same serial order as given in format-1	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
3.	Format-3 with all relevant documentary proof in the same serial order as given in format-1	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
4.	Format-4 with all relevant documentary proof in the same serial order as given in format-1	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
5.	The tender document with all addendums (if any) signed & stamped in each page.	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
6.	Copy of GST / PAN No.	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
7.	Affidavit as per format in Format-5	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
8.	Whether agree to the scope of project including the specifications of items given in Section E.	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
9.	Warranty Declaration on company letter head	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
10.	Valid MAF from OEM for all active and passive products quoted (Mention OEMs)	Yes <input type="checkbox"/> / No <input type="checkbox"/>	
11.	Financial Bid (Format-6) (To be submitted in separate sealed envelope)	Yes <input type="checkbox"/> / No <input type="checkbox"/>	

Section A

General Terms and Conditions: -

1. The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the bid process.
2. All documentation is required to be in English. Corrections/overwriting, if unavoidable, should be signed separately. Tender papers must be signed on all the pages by the tenderer.
3. The bid (including Financial Bid) should be valid for at least 180 Days from the date of submission of the bid. Institute will not entertain any request in respect of escalation of price due to any reason whatsoever.
4. All items are required to be quoted in INR for delivery and installation at MDI Gurgaon premises. All prices shall be fixed and shall not be subject to escalation of any description. The rates must be quoted as per the Financial bid format provided in Tender. (Format-6)
5. The Bid must be strictly as per tender specifications/conditions. If not, deviations must be spelt out specifically. In the absence of this, the bid may be rejected. Deviation on lower side of specifications will not be considered. No deviations in terms & conditions of the tender document will be accepted in any case.
6. Incomplete bids or receiving the bid after closing date and time are liable to be ignored and rejected.
7. The Institute will not be responsible for non-receipt of tender quotations within the specified date and time due to any reason including postal delay or holidays.
8. Please ensure that Tender document must be signed and stamped on all pages as a token of acceptance of all the terms and conditions. Bidder shall sign all pages of the bid document including all enclosures etc forwarded with the bid.
9. The bidder must quote for all the items as mentioned in the Section E. The bidder not quoting all the items of Section E will be summarily rejected.
10. Institute may seek any clarification on the bid and ask for documentary submissions as proof of the claims by bidder. The decision in this regard shall be taken by the concerned committee and this decision shall be binding on the bidder.
11. No quotations would be accepted by E-mail and only hard copies will be accepted.
12. The tender documents are non-transferable and should be submitted in the exclusive name of the party to whom we will actually provide the Purchase order.
13. **Sub-contract is not allowed.** The selected bidder(s) should not assign or sublet the work order or any part of it to any other agency in any form. Any such eventuality shall result in termination of purchase order and forfeiture of EMD of the bidder.
14. The bid should be submitted on company letter head and should be submitted duly signed by the authorized person.
15. Tender once submitted shall not be returned to the tenderer in future.
16. The bidders will have to arrange for all the testing equipment and tools required for installation, testing, maintenance etc.
17. The Institute will have the right to reject the components/equipment supplied if it does not comply with the specifications at any point of installation/ inspection and also, if they are not conforming to the specifications and other conditions.
18. The Institute reserves the right not to disclose names and rates of successful tenderers.
19. The bidder must give clause-by-clause compliance of the scope, technical specifications

- of the items, and terms & conditions mentioned in the tender document.
20. Conditional bid/ offer shall not be accepted on any ground and shall be rejected summarily.
 21. Institute shall have the right to inspect or to test the items to confirm their conformity to the ordered specifications. The supplier shall provide all reasonable facilities and assistance to the concerned Institute official at no charge to MDI Gurgaon. In case any inspected or tested goods fail to conform to the specifications, Institute may reject them and supplier shall replace the rejected goods with the goods in conformity with the specification required free of cost to MDI Gurgaon. Any delay due to above shall attract relevant penalty clauses of the tender.
 22. For any other query relating to the tender, the bidders may write to- ittender@mdi.ac.in
 23. Each bid must be submitted with Earnest Money Deposit of RS. 20,00,000 (Rupees Twenty Lakhs) in the form of Demand Draft/ Pay Order in the name of "Management Development Institute Society".
 24. EMD is liable to be forfeited and bid is liable to be rejected, if the bidder withdraw or amends, impairs or derogates from the tender in any respect within the period of validity of the tender.
 25. The earnest money of all the unsuccessful bidders will be returned after placement of order on the selected vendor. EMD submitted will be returned as it is. In case of EMD in the form of DD/Pay order, No interest will be payable by MDI Gurgaon on the Earnest Money Deposit.
 26. MDI may, at its discretion, extend the date for submission and/or opening of the bid.
 27. If work is awarded and service not commenced by the vendor within scheduled time as mentioned in this tender document, then EMD amount may be forfeited or liquidated damages may be enforced or both forfeiture of EMD and liquidated damages may be enforced which will be discretion of competent authority of MDI-Gurgaon.
 28. Only those vendors should quote who can satisfy the scope of work and other requirements of MDI as stated in Section E.
 29. Tenderers should note that the work is to be executed under the existing site conditions while quoting their rates, terms and conditions. The tenderers may visit the site to get fully acquainted with the site conditions. No compensation/claims in regard to site conditions /constraints /rules and regulations etc shall be entertained.
 30. The delivery of items and Implementation of Project including testing and commissioning of the whole system should be completed within 8-10 weeks from day of the commencement of the work.

31. Delivery, Installation, Commissioning:

The item delivery and project installation & commissioning should be completed in all respects within 8-10 weeks from the receipt of purchase order. The project will end only when all aspects of the project are working satisfactorily as per MDI-Gurgaon expectation and all warranty related work commenced.

32. Liquidated Damages: -

In the event of failure to comply with the stipulated time schedule for completion of the project due to fault of vendor, MDI-Gurgaon will have the right to recover from the contractor towards Liquidated Damages for delay, to the extent of 2% of the cost of unfinished portion of work per week or part thereof subject to a maximum of 10% of the total contract value.

33. Termination of contract-

- a. If performance of the vendor is not satisfactory in executing the project or the intermittent problems come up after commencement of the new network (LAN) &

WiFi within warranty period, then same will be informed in writing by MDI as warning letter and if inspite of issue of warning letter the performance does not improve to the satisfactorily level as per expectation of MDI within a fortnight then second warning letter will be issued.

- b. If after issue of second warning letter also performance doesn't satisfy MDI expectation, then Institute reserves the right to terminate the work order prematurely by giving one-month notice in writing without assigning any further reason whatsoever.
- c. After the contract comes null and void the amount deemed payable to the vendor (if any) will sine die without any further payment. No further claim from the vendor will be entertained.
- d. After the contract comes to an end the vendor will withdraw their service/equipment from MDI-G premise within a month.
- e. The purchase order / empanelment can be terminated by giving one month written notice to the bidder, without any compensation to the bidder, if the bidder becomes bankrupt or otherwise insolvent.
- f. Decision of competent authority of MDI regarding determining the performance will be final.

34. Care of Work

From the commencement to the completion of the works, the bidder should ensure to take full responsibility for the care thereof and of all temporary works and in case any damages loss or injury happens to the works or to any part thereof or to any temporary works due to lack of precaution or negligence on the part of Bidder, the loss shall be made good at its own cost.

35. Damage to Person and Property

The bidder shall, indemnify and keep indemnified the Institute against all losses and claims for injuries or damage to any person or property arising out of or in consequence of the installation and maintenance of the works by them and against all claims demands, proceedings, damages, loss, charges and excesses whatsoever in respect of or in relation thereof.

36. DEFECT LIABILITY PERIOD

The bidder shall arrange for maintenance during the period of warranty from the date/dates of commissioning of equipments with regard to rectification/removal of defects if any observed during this period. If the bidder does not arrange to rectify the defects observed during the maintenance period within a reasonable time, the Institute shall be at liberty to get such defects rectified at the cost and risk of the bidder.

37. Schedule Chart

At the outset of the works, the bidder will submit a Time schedule chart bringing out completion of various activities in the project for approval of Tenderer. Thereafter, the bidder will submit weekly implementation progress for the assigned project. While getting the project executed, apart from adherence to time schedule the bidder shall strictly adhere to quality norms applicable. In case of delay of the project and/or non-adherence to the norms as set in the tender, suitable penalty clauses as per tender will be attracted. The Project team (Senior Technical persons and Project Manager) as mentioned in the technical document matrix should be available on MDI Gurgaon Campus during the Installation, Commissioning

and testing phase for at least 20 hours spread across 3 days per work week. Critical date for project completion (SITC and handing over): 31.03.2025

38. Format of Price Schedule and related terms:

- a. **Price must be quoted in Indian Rupees.** Prices should be quoted as per the enclosed format both in figures and words. **The rates offered should be inclusive of all proposed work and comprehensive in nature.**
- b. The charges quoted shall be kept firm throughout the pendency of contract of this work and no price escalation shall be entertained.
- c. Any additional service required for successful completion of this project and not quoted in the financial bid by the tenderer then same shall have to be provided by contractor at no extra cost if the work is awarded to the tenderer.

39. Payment Terms:

- a. **70 percent of payment** of total Purchase Order value after successful supply of items required for project and generation of the invoice for the same.
- b. **25 percent of payment** of total Purchase Order value after generation of invoice post successful delivery, installation & commissioning of the project, handing over of warranty related papers of hardware and initiation of warranty period if vendor performed satisfactorily.
- c. **Rest 5 percent of Purchase Order Value** will be retained as security deposit. The amount will be refunded after the initial warranty & service period of five years is over, only if the project is executed satisfactorily as well as service under standard warranty service period of three years are conducted satisfactorily as per MDI expectation. If contract with vendor during execution of project or during warranty period is terminated prematurely by vendor or service rendered was not satisfactory as per MDI expectations, then security deposit amount will be forfeited.
- d. EMD of successful bidder would be released at the time of 1st payment without any interest.

40. Cancellation of Tender

This tender document is not an offer and is issued with no commitment. The Institute is not bound to select bid(s) and it reserves the right without assigning any reason to

- a. accept or reject any bid
- b. cancel the bidding process or any bid wholly or partly
- c. withdraw this notice inviting tender and or vary any part thereof at any stage.
- d. modify/relax any of the terms & conditions of the tender by declaring / publishing such amendments on the website of MDI Gurgaon (mdi.ac.in).
- e. issue another tender for identical or similar items
- f. abandon the procurement process.

41. Any dispute/ difference arising out or relating to this Tender:

- a. Matters regarding any dispute shall be referred for arbitration to any officer appointed by the Director of Management Development Institute Gurgaon, whose decision shall be binding and final. Even after arbitration if any questions, disputes and/or differences arises under and out of, or in connection with the contract, if concluded, shall be referred to the High Court of Haryana or any other court in the district of Gurugram (Haryana).
- b. MDI further reserves the right to disqualify any bidder, should it be so necessary at any stage. Institute reserves the right to reject any or all the tenders, wholly or partly without assigning any reason thereof and shall not be bound to accept the lowest tender.

Institute reserves the right for distributing the work among several vendors.

42. Warranty/AMC

- a. **Onsite warranty services** will comprise of back-to-back support from the successful bidder(s). The successful bidder(s) shall furnish the documents from OEM confirming back-to-back support at the time of acceptance of PO. In case the documents are not submitted, the EMD submitted by the bidder to shall be forfeited.
- b. Onsite Warranty/ AMC services shall be provided at MDI Gurgaon.
- c. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts free software upgrades/updates/renewals. Also, the warranty shall cover all type of subscription charges/ license cost associated with any supplied item. The defects, if any shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours.
- d. The comprehensive warranty shall be for a minimum period of five years from the date of acceptance of the equipment by MDI Gurgaon.

43. Service Level Agreements

- a. After SITC of project & acceptance, during warranty & AMC, the vendor(s) shall be responsible for minimum uptime of 99% on 24x7 basis of the equipment as a whole as per SLA. The uptime will be calculated over a period of six (06) month time frame.
- b. (ii) The permissible downtime will further be subject to maximum downtime of 24 hours at a stretch at any instance. In case the same exceeds 24 hours at a stretch then penalty clause will be enforced. The same penalty clause will also be enforced in case the downtime exceeds the permissible total downtime as stated above.
- c. In case the device location is inaccessible or for some reason due to no fault of the successful bidder, the downtime cannot be rectified, a communication from the Institute not to deduct the downtime would be required for calculation of penalty.

44. Penalty Clause

- a. For critical components impacting several users namely Switch, Wireless Controller & Mobility Master: Institute would deduct Rs. 1000/- per hour of downtime from the due payments or recovered from 15% hold payment as the case may be for every 1 hours of down time at a stretch or in part up to total down time of 10 hours. This down time shall be calculated over and above the total hours of downtime permissible. Beyond 10 hours of down time, Institute would deduct Rs. 3000/- per hour from the due payments or recovered from 15% hold payment as the case may be for every 1 hour of down time at stretch or in parts.
- b. For noncritical components impacting individual user(s) namely Wireless Access Point: Institute would deduct Rs. 200/- per hour of downtime from the due payments or recovered from 15% hold payment at a stretch or in part up to total down time of 10 hours. This down time shall be calculated over and above the total hours of downtime permissible. Beyond 10 hours of down time, Institute may deduct Rs. 500/- per hour from the due payments or recovered from 15% hold payment as the case may be for every 1 hour of down time at stretch or in parts.
- c. In any case, if the equipment is not made operational for 08 days from the time of

reporting of fault, the 15% hold payment by the vendor(s) to MDI shall be forfeited. Any payments (payable to vendor) shall not be paid & will be adjusted as penalty. This will be deemed to be an event of default and MDI Gurgaon may terminate the contract as per the applicable terms of tender.

45. Delivery Period:

- a. The successful bidder(s) have to complete the delivery (installation, commissioning, testing & acceptance of the ordered items (including active & passive equipment) as per the scope of work within 12 weeks from the date of respective purchase orders.
- b. The items will be delivered at MDI Gurgaon. No separate charges shall be paid toward transportation, freight, cartage, delivery etc. All expenses involved in shipping and delivering the items to MDI Gurgaon will be borne by the bidder.

46. The bidders are expected to examine all instructions, forms, terms& conditions, other details in the tender document carefully. Failure to furnish complete information as asked in the tender document or submission of a proposal not substantially responsive to the tender documents in every respect will be at the Bidder's risk and may result in rejection of the proposal.

47. Indemnity

- a. The selected bidder shall indemnify the Institute against all third party claims of infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied items and related services or any part thereof.
- b. Institute stand indemnified from any claims that the bidder's manpower may opt to have towards the discharge of their duties in the fulfillment of the purchase orders.
- c. Institute also stand indemnified from any compensation arising out of accidental loss of life or injury sustained by the bidder's manpower while discharging their duty towards fulfillment of the purchase orders.
- d. The bidder shall solely responsible for any damage, loss or injury which may occur to any property or to any person by or arising out the execution of the works or temporary works otherwise than due to the matters referred to in this tender hereinbefore.
- e. The bidder would ensure for observance of all labor and other laws applicable in the matter and shall indemnify and keep indemnified the Institute against the effect of nonobservance of any such laws.

48. Force Majeure:

- a. Force Majeure is herein defined as any cause, which is beyond the control of the selected Bidder or the Institute as the case may be which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the Contract, such as:
- b. Natural phenomena, including but not limited to floods, droughts, earthquakes, epidemics; Acts of any Government, including but not limited to war, declared or undeclared, priorities, quarantines, embargoes; Terrorist attacks, public unrest in work area Restriction, Freight Embargo; provided either party shall within ten (10) days from the occurrence of such a cause notify the other in writing of such causes. The Bidder or the Institute shall not be liable for delay in performing his/her obligations resulting from any Force Majeure cause as referred to and/or defined above.

49. Rates quoted by the bidder shall be final and no negotiation will be held. However, it would be subject to the discretion of the Competent Authority of MDI Gurgaon.
50. If selected bidder fails to accept order, his/her bid will be treated as cancelled and EMD would be forfeited.
51. Any conditions mentioned in their tender bids by the bidders which are not in conformity to the conditions set forth in the tender will not be accepted by the Institute. All the terms and conditions for the supply, testing and acceptance, payment terms penalty etc. will be as those mentioned herein and no change in the terms and conditions set by the bidders will be acceptable.
52. Institute reserves the right to modify and amend any of the above-stipulated condition/criterion depending upon Project priorities vis-a-vis urgent commitments.
53. Keeping in view the existing Digital Infrastructure that would be integrated with Digital Infrastructure of new buildings, MDI Gurgaon reserves the right and has evolved a super-set of technically qualified accepted systems and subsystem, items of their brands and models for the entire range of systems detailed in the Section E of this tender, so as to take care of the integration with existing infrastructure and 5-year service delivery related aspects of entire network infrastructure.
54. The bidder should not assign its contractual obligations either in whole or in part of the work order to any other agency in any form. Any such eventuality may result in termination of contract and forfeiture of EMD of such bidder.
55. Laws of the Republic of India are applicable to this tender.
56. This Tender document is not transferrable. Bidders are advised to study the tender document carefully. Submission of bid shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications. The response to this tender should be full and complete in all respects. Incomplete or partial bids shall be rejected. Bidders shall bear all costs associated with the preparation and submission of the bid, including cost of presentation and demonstration for the purposes of clarification of the bid, if so desired by Institute. Institute shall in no event be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

57. Buy back of old devices

- a. Tenderers should note that the old devices under buy back are being offered on AS-IS-WHERE-IS basis while quoting the buyback rates.
- b. The bidders are advised to visit MDI Campus to inspect state of old devices. Please contact Shri Pranav Kumar (Phone 0124-4560281) for inspection of old devices. No compensation/claims at a later stage shall be entertained.
- c. Quantity of buy-back may vary. The discretion to utilize buy back remain with MDI.
- d. Refer Section E for brief details of items under buy back.

58. Responses to Pre-Submission queries & issue of Addendum-

- a. After publication of NIT in tender page of MDI website, MDI will begin accepting written questions from the applicants for pre-bid meeting. MDI will endeavor to provide timely response to all queries. However, MDI makes no representation or warranty as to the completeness or accuracy of any response made in good faith, nor

does MDI undertake to answer all the queries that have been posed by the applicants. For any clarifications, write to Email- ittender@mdi.ac.in .

- b. A Prebid meeting will be held on the date and time indicated in the tender document. Bidders are requested to attend a Prebid meeting for clarification on the Tenders' technical specifications and commercial conditions. Participation in such a Prebid meeting is not mandatory. If a bidder does not participate or submit any query, then no subsequent representations from them regarding the Technical/ commercial specifications/ conditions shall be entertained.
- c. At any time prior to the last date for receipt of tender, MDI may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective applicant, modify the NIT document by an addendum.
- d. The addendum (if any) shall be posted online at <https://mdi.ac.in/infrastructure/tenders.html>.
- e. Any such addendum shall be deemed to be incorporated into this NIT.
- f. In order to provide prospective applicants reasonable time for taking the addendum into account, MDI may, at its discretion, extend the last date for the receipt of bids which shall again be notified online through MDI portal www.mdi.ac.in

59. Definition of Similar Work/ Project: Supply, installation Testing and Commissioning of Digital Infrastructure consisting of LAN/WAN/WiFi network executed in last five years.

Declaration: -

I/We do hereby confirm that I/We have the necessary authority and approval to submit this bid for SITC of *Network and WiFi for New Academic Block and Girls Hostel in MDI-Gurgaon Campus* as per the terms & conditions mentioned above and also, hereby, agree and accepts the terms & conditions mentioned in General Terms and conditions.

Place Signature of the bidder signatory
Full Name of bidder signatory
Full name of the bidder company

Stamp
Date:
Place:

Section – B

Bid Rejection Criteria, Minimum Qualification Criteria and Other specific requirements from OEMs

A. Bid Rejection Criteria:

1. The bidder should submit authorization from all active & passive OEM to bid against this tender specifically without which bid shall be rejected.
2. Bids without EMD would be rejected.
3. Bids not received within the specified due date and time are liable to be rejected.
4. Bids without Profile and declaration on company's letterhead would be rejected.
5. Bidder should have average turnover of Rs. 20 Crore in the last three financial years. (FY 2020-21, 2021-22, 2022-23) The Bidder has to be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years. (FY 2020-21, 2021-22, 2022-23). Bidders are required to submit attested audited copies of bidders' annual report for the mentioned years alongwith Certificate from practicing CA on his letter head confirming the turnover, profitability, positive networth for the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23)
6. Bidder should have experience of successfully executing similar projects in the last five years.
7. The bidder should not have been barred/ blacklisted by any Central/ State Government departments/ Organizations/ PSUs/ University/ Institute. Declaration On Non-Judicial Stamp Paper of Rs. 10/- as per format given in Format-5
8. Not submitting copy of GST & PAN registration certificate.
9. If financial bid is submitted along with technical bid and not submitted separately in sealed envelope.
10. If warranty declaration in company letter head not submitted.
11. The bidder should quote for all the items mentioned in the tender, failing which, their bid will be rejected.
12. The bidder should have an office in Delhi NCR manned with their own qualified support staff/Engineer with their Customer Support Number (Details to be provided)
13. The Bidders are requested to furnish documents to establish their eligibility for each of the clauses. Relevant portions, in the documents submitted in pursuance of eligibility criterion mentioned in the tender, may be highlighted. If the tender is not accompanied by all the documents mentioned, the same would be rejected.
14. Upon verification, evaluation / assessment, if in case any information including all documents furnished by the Bidder is found to be false / incorrect, their bid shall be summarily rejected, their EMD shall be forfeited and no correspondence on the same shall be entertained
15. Not having minimum qualification criteria mentioned in the Tender.

B. Minimum Qualification Criteria:

Following will be the minimum pre-qualification criteria. Each eligible bidder should possess all the following pre-qualification criteria. Responses not meeting the minimum pre-qualification criteria will be rejected and will not be evaluated.

S. No.	Pre-qualification Criteria	Supporting Compliance document
1.	The applicant shall be a firm/ company registered under the Indian Companies Act, 2013 with their registered office in India for at least last five years and who have their registered offices in India and (office in National Capital Region of Delhi will be preferred)	Copy of Certificate of incorporation or any other relevant documents attested by Company Secretary/ Authorized Signatory, brief company profile with copy of GST & PAN.
2.	The firm should be in the business of providing similar services for at least 05 years as on 31.03.2021.	(Copy of purchase Order Submitted as proof as per Bid Rejection Criteria Clause e.
3.	The Bidder has to be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23)	Attach certificate from CA or any other relevant certificate.
4.	The Bidder should have an annual turnover of Rupees 20 Crore in each of the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23).	submit attested audited copies of bidders' annual report for the mentioned years alongwith Certificate from practicing CA on his letter head confirming the turnover, profitability, positive networth for the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23) Practicing CA certified document with name of CA registration number, signature and stamp or any other relevant certificate.
5.	Bidder should have experience of successfully executing similar projects in the last five years and must enclose relevant copies of scope of work, deliverables, time period of execution, project value and work completion certificate from client for at least one similar project of value not less than Rs. 15 Crores or two similar projects of value not less than Rs. 11 Crores or three projects of value not less than Rs. 07 crores. (Copy of purchase Order Submitted as proof)	Copy of Work Order / Contract along with Completion Certificate to be attached as proof.
6.	Bidder must enclose a copy of LAN/WAN/Network work order of laying of minimum 3 Kms of Fiber Optical cable with at least 400 fiber terminations,	Copy of Work Order / Contract along with Completion Certificate to be attached as proof.

	800 UTP nodes and 500 Wireless Access points. Work Order Copies to be enclosed.	
7.	Names & addresses of prestigious clients (at least three) along with their contact details (telephone number/E-mail) of the contact persons of the clients of recent past if available.	1. 2. 3.
8.	The bidder should have ISO 9001:2008 or equivalent, ISO 27001 or equivalent certifications. Attach relevant documentary proof.	
9.	The firm should not be blacklisted by any Central Govt. / State Govt. / PSU/Govt. Bodies/ IITs & IIMs/Reputed Educational Institutes in India.	Affidavit on Non-Judicial Stamp Paper as per format in Format-5 to be submitted
10.	Warranty and Support All products should be quoted with at least 3-year warranty and 2-year AMC from OEM with next day business support. The Vendor shall provide comprehensive Support for all the equipment's listed in the document for a period of 3 years and AMC for 2-years.	Declaration in this regard to be submitted in company letterhead.
11.	Undertaking to be submitted that <ul style="list-style-type: none"> • The products being quoted would not be declared end-of-sale for the next 1 year from the last date of bid submission of this tender document. • The support including spares, patches, upgrades/ updates for the quoted items shall be available for the next 5 years from the date of successful installation, testing and commissioning of the system • All active equipment has a life-time of at least 5 years and passive items for at least 15 years as per the industry practices adopted 	
12.	Bidder should give following unconditional compliance & undertaking for all equipment/ services/ software that would be procured and installed. <i>"All the equipment & devices will be properly configured. There will not be any vulnerability left in the equipment"</i> .	Submit undertaking on letter head signed by authorized signatory
13.	All offered products, software & components should support seamless inter-operability among them. There should be no compatibility issue among the supplied products, software & components etc. All offered products, software & components should be as per IEEE/ITU/ WPC/DoT	Submit undertaking on letter head signed by authorized signatory

	standards where ever applicable. An undertaking to this effect should be submitted by the bidder.	
14.	All wireless equipment specifications are subject to Indian Government guidelines and any frequency/transmission power/Antenna Gain shall be in conformity with the Govt. rules & guidelines. An undertaking to this effect should be submitted by the bidder.	Submit undertaking on letter head signed by authorized signatory

C. Other specific requirements from OEMs

1. All replacements should be directly done by OEM. OEM should submit the advanced replacement methodology (h/w will be replaced in advance)
2. OEMs should have Technical support Centre and should have Toll Free Number to support the equipment. OEM(s) should have direct presence with their office in India manned with engineers for minimum of last 3 years. Relevant documentary proof should be submitted.
3. All products should be quoted with at least 3-year warranty plus 2-year AMC and next day business support.
4. OEM should have a dedicated call-center number to log the calls and should submit escalation matrix on their letterhead.

Section C

Evaluation Procedure and Selection of Bidder

A. Evaluation Procedure and Selection

- The evaluation process of the tender proposed to be adopted by the Institute is indicative only and to provide the Bidders an idea of the evaluation process that the Institute may adopt. However, the Institute reserves the right to modify the evaluation process at any time during the Tender process, without assigning any reason, whatsoever, and without any requirement of intimating the Bidders of any such change.
- When deemed necessary, during the evaluation process, the Institute may seek clarifications on any aspect from any or all the Bidders. However, that would not entitle the Bidder to change or cause any change in the substance of the tender submitted or price quoted.
- Bidders will be technically qualified based on Information/documents provided by the Bidder on the basis of eligibility criteria of the tender. The bids conforming to the eligibility criteria and the products quoted by them meeting the specifications given in the Tender will only be considered for further evaluation.
- The shortlisted eligible bidders would be asked for detailed technical presentation/ discussion on the proposed solution offered in the bid. Technical presentation is mandatory. Failure to give presentation would result in disqualification of the bid.
- In their own interest the bidders are advised to ensure that the goods/equipment quoted by them should conform to all tendered technical parameters/ specifications and are functional. Goods/Equipment quoted and not meeting complete tender specifications will not be considered for evaluation.
- For the evaluation purpose, Institute reserves the right to visit at a short notice to any similarly implemented site as claimed by the bidder.
- MDI decision will be final for the evaluation of Technical Bids and is binding on all bidders.

B. Procedure for Evaluation of Responsive Technical Bids and awarding Technical Score:

- Bidders will be technically qualified based on Information/documents provided and technical presentation done by the Bidder.
- Only those Technical Bids that are found compliant/suitable after technical evaluation done by MDI will be called for technical presentation.

C. Tentative Parameters for Technical Evaluation:

S.No.	Description	
1.	EMD of Rs. 20,00,000	Mandatory
2.	MAF Authorization from all active and passive OEM	Mandatory
3.	Average Turnover of Rs. 20 Crores in the last three financial years. (FY 2020-21, 2021-22, 2022-23)	

4.	Company should be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years. (FY 2020-21, 2021-22, 2022-23).	
5.	Experience of executing similar projects	Mandatory
6.	Office in Delhi NCR with their own qualified support staff/Engineer with their Customer Support Number	Mandatory
7.	The bidder should have ISO 9001:2008 or equivalent, ISO 27001 or equivalent certifications	Mandatory
8.	All products should be quoted with at least 3-year warranty and 2-year AMC from OEM with next day business support	Mandatory
9.	Submission of Format-5 Non-Judicial Stamp Paper (Rs. 10/-)	Mandatory
10.	Profile of Company & number of years in Business Max Score: 10	2 marks for each year in operation for every year beyond minimum requirement of 5 years of operation in similar lines
11.	<p>Qualification and experience of technical experts:</p> <ul style="list-style-type: none"> • Project manager: highly skilled in project management PMP certified and experienced in Network infrastructure implementation (5pts). • Minimum of 3 technical engineers/experts. Highly skilled, experienced in ICT infrastructure implementation. (5 pts) <p>Important Note: Attach relevant certificates of the project manager as mandatory and technical experts (CV and credentials) Submit Technical Document giving Team structure and responsibility matrix for the MDI Network Project.</p>	Max Marks: 10
12.	No. of network and WiFi Projects Executed (including all equipment as per specifications in Section E) supplied & Installed in any Institute/ University/ PSU/ Government/ Corporate Max Score: 40	<p>10 marks for each project with value of Rs. 18 Crores or more</p> <p>07 marks for each project with Value in the range Rs. 14 Crores - Rs 18 Crores</p> <p>05 marks for each project with Value in the range Rs. 12 Crores – Rs 14 Crores</p> <p>03 marks for each project with</p>

		Value in the range Rs. 07 Crores – Rs 12 Crores
13.	Presentation Total Score: 40	
	Total Technical Score: 100	

Points (except S.No. 13) would be given only on the basis of documents submitted as part of technical bids. The Purchase Order and Completion certificate must be attached to score Points in these categories.

- Minimum Technical Score required for opening of Financial Bid: **70 Points**.
- MDI decision will be final for the evaluation of Technical Bids and binding on all bidders.
- The qualified bidder would be identified after considering both the Technical Bid and the presentation.

The Financial Bids of only the technically qualified Bidders scoring 70 points and above would be opened.

D. Procedure for Selecting the bidder

The work shall be awarded to the L1 bidder from among the technically qualified bids.

E. System of award of contract:

- The vendor who satisfies the qualification criteria and offering lowest rate (As per Financial bid format provided in Format-5) would be selected.
- Also, during commercial evaluation of the price bid, Institute reserves the right to correct any of the arithmetical and/or tax rate errors in the bidders' price bid subject to the condition that in no circumstances Institute will be liable to pay any higher value against the Grand Total Value quoted by the L1 bidder. Unit rates will be taken as the base for making arithmetical corrections. The lower of the Grand Total Value or arithmetically corrected value would be considered.
- In exceptional situation, the committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract.

Section D

Formats

FORMAT – 1

(To be submitted on Letter Head)

S. No	Organizational Contact Details	
1.	Name of Organization	
2.	Year of establishment	
3.	Number of employees	
4.	Main areas of business	
5.	Type of Organization Firm/ Company/ registered under the Indian Companies Act, 2013	
6.	Whether the firm has been blacklisted by any Central Govt. / State Govt./PSU/ Govt. Bodies / Autonomous bodies/ IITs & IIMs/Reputed Educational Institutes in India. If yes, details to be provided. If No, attach Undertaking in regards to not being blacklisted.	
7.	Address of registered office with telephone no. & E-mail	
8.	Address of offices - in National Capital Region of Delhi if any	
9.	Authorized Contact Person with telephone no. & E-mail ID	
10.	Annual turnover in each of the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022-23).	
11.	Profit earned in the last 3 consecutive Financial Years (FY 2020-21, 2021-22, 2022- 23)	
12.	Experience of executing similar works in last five years (Attach work order copy and completion certificate)	Project Value: Rs. 18 Crore 1. Project Value: Rs. 14 Crore to Rs. 18 Crore 1. 2. Project Value: Rs. 12 Crore to Rs. 14 Crore 1. 2. 3.
13.	Experience laying of minimum 3 Kms of Fiber Optical cable with at least 400 fiber terminations, 800 UTP nodes and 500	1.

	Wireless Access points (Attach work order copy and completion certificate)	
14.	Names & addresses of prestigious clients (at least three) along with their contact details (telephone number/E-mail) of the contact persons of the clients of recent past.	1. 2. 3.
15.	Whether ISO 9001:2008 or equivalent, ISO 27001 or equivalent certifications. Attach relevant documentary proof.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
16.	Agree to Warranty & Support All products should be quoted with at least 3-year warranty and 2-year AMC from OEM with next day business support. The Vendor shall provide comprehensive Support for all the equipment's listed in the document for a period of 3 years and AMC for 2-years.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
17.	Undertaking1 submitted on letter head signed by authorized signatory <ul style="list-style-type: none"> • The products being quoted would not be declared end-of-sale for the next 1 year from the last date of bid submission of this tender document. • The support including spares, patches, upgrades/ updates for the quoted items shall be available for the next 5 years from the date of successful installation, testing and commissioning of the system All active equipment has a life-time of at least 5 years and passive items for at least 15 years as per the industry practices adopted	Yes <input type="checkbox"/> / No <input type="checkbox"/>
18.	Undertaking2 submitted on letter head signed by authorized signatory Following unconditional compliance & undertaking for all equipment/ services/ software that would be procured and installed. <i>"All the equipment & devices will be properly configured. There will not be any vulnerability left in the equipment"</i> .	Yes <input type="checkbox"/> / No <input type="checkbox"/>
19.	Undertaking3 submitted on letterhead signed by authorized signatory All offered products, software & components should support seamless inter-operability among them. There should be no	Yes <input type="checkbox"/> / No <input type="checkbox"/>

	compatibility issue among the supplied products, software & components etc. All offered products, software & components should be as per IEEE/ITU/ WPC/DoT standards where ever applicable. An undertaking to this effect should be submitted by the bidder.	
20.	Undertaking 4 submitted on letterhead signed by authorized signatory All wireless equipment specifications are subject to Indian Government guidelines and any frequency/transmission power/Antenna Gain shall be in conformity with the Govt. rules & guidelines. An undertaking to this effect should be submitted by the bidder.	Yes <input type="checkbox"/> / No <input type="checkbox"/>
21.	OEM Authorization (tender specific MAF from all active and passive network products)	Yes <input type="checkbox"/> / No <input type="checkbox"/>
22.	OEM Specific requirements documentation submitted as indicated in the Bid Rejection Criteria and Minimum Qualification Criteria	Yes <input type="checkbox"/> / No <input type="checkbox"/>
23.	Agree to Scope of Work, technical specifications as per Section D (To be submitted on letter head signed and stamped)	Yes <input type="checkbox"/> / No <input type="checkbox"/>
24.	Agree to Payment Terms a. 70 percent of payment of total Purchase Order value after successful supply of items required for project and generation of the invoice for the same. b. 25 percent of payment of total Purchase Order value after generation of invoice post successful delivery, installation & commissioning of the project, handing over of warranty related papers of hardware and initiation of warranty period if vendor performed satisfactorily. c. Rest 5 percent of Purchase Order Value will be retained as security deposit. The amount will be refunded after the initial warranty & service period of three years is over, only if the project is executed satisfactorily as well as service	Yes <input type="checkbox"/> / No <input type="checkbox"/>

	under standard warranty service period of three years are conducted satisfactorily as per MDI expectation. If contract with vendor during execution of project or during warranty period is terminated prematurely by vendor or service rendered was not satisfactory as per MDI expectations, then security deposit amount will be forfeited.	
25.	Delivery period (please mention)	_____Weeks
26.	Installation period (please mention)	_____Weeks

Enclose: -

1. All documentary proofs for all the above points and place them in same serial order in the technical bid.

Place Signature of the bidder signatory
 Full Name of bidder signatory
 Full name of the bidder company

Stamp
 Date:
 Place:

Note: This is to be furnished on the letter head of the bidder.

FORMAT – 2

(To be submitted on Letter Head)

Experience of implementing similar works within last 5 years

Add a row for Each Client

Minimum three required

S .No.	Client Name (Higher Education Institute / University/ Govt. / PSU/ Others)	Size of the Project (No. of Switches/No of WAPs/ No of LAN nodes/ No. of Fiber Termination – in the same order)	Value of the Project	meter of Fiber Optical Cable installed	Client Contact No.	Client Email ID	Work Order Copy / Completion Certificate Attached
							Yes <input type="checkbox"/> / No <input type="checkbox"/>
							Yes <input type="checkbox"/> / No <input type="checkbox"/>
							Yes <input type="checkbox"/> / No <input type="checkbox"/>
							Yes <input type="checkbox"/> / No <input type="checkbox"/>
							Yes <input type="checkbox"/> / No <input type="checkbox"/>

Encl: Documentary Proof to be attached

Place Signature of the bidder signatory

Full Name of bidder signatory

Full name of the bidder company

Stamp

Date:

Place:

FORMAT – 3

(Certificate from Practicing CA on his letterhead)

Financial Strength of the Organization				
S. No	Financial Year	Whether profitable (Yes/NO)	Annual net profit (in Lakhs of Rs.)	Overall annual turnover (in Lakhs of Rs.)
1	2020-21			
2	2021-22			
3	2022-23			
Note: Please enclose annual report				

Place Signature of the bidder signatory
Full Name of bidder signatory
Full name of the bidder company

Stamp
Date:
Place:

Encl: As above.

Format-4

(To be submitted on Letter Head)

Details of technical and administrative personnel to be deployed for this project
(Attach One Page CV of each person to be deployed for the project)

S. No.	Designation	No. of employees in this category	Name of person deployed for project	His/ Her Qualification	His/ Her Professional Exp.	Capacity in which employee would be involved in the work
						Project Manager
						Technical Engineer/ Expert
						Technical Engineer/ Expert
						Technical Engineer/ Expert

Place Signature of the bidder signatory
Full Name of bidder signatory
Full name of the bidder company

Stamp
Date:
Place:

Format-5

(DECLARATION ON NON-JUDICIAL STAMP PAPER OF RS. 10/-)

I/we _____ Partner(s)/legal Attorney/ Proprietor(s)/ Accredited Representative(s) of M/s _____ solemnly declare that:

2. I/we are submitting tender for ----- against Tender Notice No. _____ dated _____.

3. All information furnished by me/us in respect of fulfillment of eligibility criteria and information given in this tender is complete, correct and true. All documents/credentials submitted along with this tender are genuine, true and valid.

4. My/our bid shall remain valid for a period of 180 days from the last date fixed for the bid submission in accordance with the Bidding Documents and shall be binding upon us and maybe accepted at any time before the expiry of the period.

5. The Price-Bid submitted by me/us is "WITHOUT ANY CONDITION".

6. If any information or document submitted is found to be false/incorrect, MDI may cancel my/our Tender and can take any action as deemed fit including termination of the contract, for forfeiture of all dues including blacklisting of my/our firm and all partners of the firm etc.

7. I/we also declare that the Government of India or any other Government body has not issued any show-cause notice or declared us ineligible or blacklisted us on charges of engaging in corrupt, fraudulent, collusive or coercive practices or any failure/lapses of serious nature.

8. I/We understand that MDI Gurgaon decision will be final for the evaluation and rejection of Bids.

9. I/We have gone through all terms & conditions of the tender documents before submitting the same and accept the same along with the technical specification and all other conditions mentioned in the documents; including the condition that MDI is not bound to accept the lowest bid.

Signature of the bidder signatory
Full Name of bidder signatory
Full name of the bidder company

Stamp
Date:
Place:

Section E

Scope of Work, Schedule of Requirement and BoM

A. Brief Scope of Work

The scope of work for SITC of Network and WiFi in new Academic Block and Girls Hostel of MDI-Gurgaon Campus shall include site survey, site preparation, solution design, supply of all material as per detailed specifications in Section E, laying / installation, all electrical, all civil works required for & incidental to the project, configuration, testing & certification, integration of new Academic Block and Girls Hostel network to the existing network of MDI Gurgaon Campus, migration & commissioning, documentation, project management, supply of spares, warranty and maintenance etc. complete in all respect as specified in the various technical specs.

1. The bidder will carry out the work as specified by MDI Gurgaon and will be responsible for total system integration and execution of project.
2. The bidder will try & reuse the item available to the extent possible subject to its functionality & feasibility.
3. The bidder will carry out the feasibility sites surveys, prepare the drawings, laying & cable route plans, rack locations, node placement, Wi-Fi access points placement, etc. for the Wi-Fi enabled Campus Network infrastructure in consultation with the Institute
4. The bidder will design, supply, install, commission, integrate and does maintenance of Wi-Fi enabled Campus Network & other IT Infrastructure as per requirement in conformity with Schedule of Requirement (any subset of items & quantities) & Technical Specifications (Section E) and terms & conditions of the tender.
5. The bidder will ensure to install the supplied systems and make it operational on the network and provide warranty & onsite support for three years plus maintenance for two years.
6. The bidder shall deliver and implement the technologies in conjunction with a set of best practices guidelines & industry standards.
7. The bidder will ensure smooth integration of the offered equipment with the existing equipment/network at MDI Gurgaon.
8. The bidder will provide user manual to end-user detailing operations of the equipment and onsite user level training at the time of installation.
9. The bidder will submit a detailed implementation plan after consultation with Institute within one week from the date of purchase order.
10. The Bidder has to ensure that during the execution of the project they do not damage or disrupt the existing services under and above the ground.
11. The Bidder has to comply with the security policy of the user organization and its nondisclosure agreement.
12. The methodology of conduiting & cabling and installation work (wherever required), to be adopted, has to ensure minimum damage to the existing finish and no loss to the aesthetic beauty of the floors & Walls. Any damage to the existing flooring / walls etc. shall be made good by the bidder.

13. The bidder shall organize technical training about the Wi-Fi Campus Network equipment after installation and commissioning has been completed. Training will be provided on no additional cost for 2 days at the place of installation. All the training material will be provided by the bidder.
14. The bidder will ensure the availability of services from professionally qualified team during implementation of the project and to provide the required on-site warranty for three Years plus maintenance for another period of two years.
15. The Bidder will be liable for any hardware and software up-gradation for maintenance without any extra cost during warranty and AMC period.
16. On completion of the work the bidder shall submit the detailed diagram/drawings & documentation of the project to MDI Gurgaon, which will be submitted to Institute along with the bills.

B. Testing & Certification

1. The SYSTEM shall be subjected to inspection at various stages during implementation by MDI representative for compliance with various requirements spelt out in this document / network design document / various other MDI approved documents, good workmanship, adherence to good engineering practice, safety requirements etc. The details of stage-inspection by MDI shall be finalized during document approval. The SYSTEM INTEGRATOR shall carry out the various test / checks as per the test plan and offer the same for witnessing by MDI representative.
2. The final inspection on the SYSTEM shall include the following as a minimum
 - a. Final checks / tests for physical completion of the implementation as per this document and other MDI approved documents.
 - b. Verification of the SYSTEM configurations to ensure implementation as per this document network design document / various other MDI approved documents.
 - c. Functional Tests / checks on the SYSTEM to ensure that the functional requirements
3. All the above tests / checks shall be carried out by the SYSTEM INTEGRATOR internally; Internal Test Reports / Certificates shall be furnished to MDI for verification and shall be demonstrated to MDI representatives to verify compliance.
4. The SYSTEM INTEGRATOR shall integrate the SYSTEM supplied and installed with the existing infrastructure to offer seamless operation

C. Documentation

1. The SYSTEM INTEGRATOR shall submit as-built / as-laid documents of the networking infrastructure implemented as a part of the project.
2. The documents shall be kept updated throughout warranty / post warranty the maintenance period with appropriate version control. The documentation includes, but not limited to the following:
 - a. Overall logical network diagram
 - b. Physical layout plan of cabling
 - c. Physical layout plan of the racks

3. Fiber and UTP cable termination details including ferruling, numbering details on the I/O, jack panel and patch cables
4. Device wise configuration details of active components deployed in the network.
5. Comprehensive Inventory of equipment/ devices / components deployed in the network.
6. Penta Scanning Report.
7. Heat Map Reports of WiFi installations.
8. All SYSTEM INTEGRATOR prepared documents shall be submitted as both in soft copies and in hard copies. The soft copies shall be submitted in the native format.

D. Training

The handover training shall broadly cover the network design, administration, operation and management of all switches and Wi-Fi access points.

E. Bills of Material

S. No.	Description	Qty*	Make/ Model	Compliance (Yes/No)	Deviation (if any)
A. Switching					
1	Extreme 7520-48Y Switch - Ships with two AC front-to-back airflow power supplies, six front-to-back airflow fans, one 4-post rack mount kit. Supports 48 x 1G/10G/25G fiber ports and 8 x 40G/100G fiber ports	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 7520-48Y-8C-AC-F [Term: 5 Year]	2			
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	4			
	100G AOC QSFP28 10m TAA MSA P/N EQPC1HA0100C0100.	2			
2	Extreme 5520 Switch 24 1Gb/10Gb SFP+ ports 2 stacking/QSFP28 1 unpopulated VIM slot includes 2 fan modules 2 unpopulated modular PSU slots.	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5520-24X [Term: 5 Year]	4			
	350 Watt AC Power Supply Module - Front to Back airflow	8			
	Pwr Cord,10A,BS546,IEC320-C13	8			
	5520 Versatile Interface Module with four 25GbE SFP28 ports MACsec capable supported on Extreme Switching 5520	4			
	100G Passive DAC QSFP28 0.5M	4			
3	Extreme 5520 Switch 12 100Mb/1Gb/2.5Gb/5Gb 802.3bt 90W PoE 36 10/100/1000BASE-T FDX/HDX 802.3bt 90W PoE 2 stacking/QSFP28 1 un-pop VIM slot MACsec capable 3 fan modules 2 unpopulated modular PSU slots.	7		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5520-12MW-36W [Term: 5 Year]	7			
	2000 Watt AC PoE Power Supply Module - Front to Back airflow. Supported on ExtremeSwitching X465 VSP4900 and 5520	14			

	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	14			
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on ExtremeSwitching 5520	7			
4	Extreme 5720 Switch 48 100Mb/1Gb/2.5Gb/5Gb 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes fan modules 2 unpopulated modular PSU slots.	5		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5720-48MW [Term: 5 Year]	5			
	1100 Watt AC PoE Power Supply Module - Front to Back airflow	10			
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	10			
	5720 Versatile Interface Module with 6 25GbE SFP28 ports, MACsec capable.	5			
5	Extreme 5720 Switch 24 100Mb/1Gb/2.5Gb/5Gb 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes fan modules 2 unpopulated modular PSU slots.	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5720-24MW [Term: 5 Year]	8			
	1100 Watt AC PoE Power Supply Module - Front to Back airflow	16			
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	16			
	5720 Versatile Interface Module with 6 25GbE SFP28 ports, MACsec capable.	8			
6	Extreme 5520 Switch 48 10/100/1000BASE-T FDX/HDX 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes 3 fan modules 2 unpopulated modular PSU slots.	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5520-48W [Term: 5 Year]	2			
	1100 Watt AC PoE Power Supply Module - Front to Back airflow	4			
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	4			
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on Extreme Switching 5520	2			
7	Extreme 5520 Switch 24 10/100/1000BASE-T FDX/HDX 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes 3 fan modules 2 unpopulated modular PSU slots.	10		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5520-24W [Term: 5 Year]	10			
	715 Watt AC PoE Power Supply Module - Front to Back airflow	20			
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	20			
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on Extreme Switching 5520	10			
8	Extreme 5320 Switch 16 10/100/1000Base-T PoE+ ports 4x1GbE SFP ports upgradeable to 10G SFP+ MACsec capable 1 Fixed AC PSU Fans.	13		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5320-16P-4XE [Term: 5 Year]	11			

	Pwr Cord,10A,BS546,IEC320-C13	11			
	10 Gigabit Ethernet SFP+ module, 1310nm, SMF 10km link, LC connector	44			
	Singlemode LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 3 Mtr	44			
9	Extreme 5520 Switch 24 10/100/1000BASET FDX/HDX 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes 2 fan modules 2 unpopulated modular PSU slots.	12		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5520-24T [Term: 5 Year]	12			
	350 Watt AC Power Supply Module - Front to Back airflow	24			
	Pwr Cord,10A,BS546,IEC320-C13	24			
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on Extreme Switching 5520	12			
10	Extreme 5520 Switch 48 10/100/1000BASET FDX/HDX 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes 3 fan modules 2 unpopulated modular PSU slots.	14		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
	EW NBD AHR 5520-48T [Term: 5 Year]	14			
	350 Watt AC Power Supply Module - Front to Back airflow	28			
	Pwr Cord,10A,BS546,IEC320-C13	28			
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on Extreme Switching 5520	14			
B. Transceivers & DAC Cables					
11	10 Gigabit Ethernet SFP+ module, 850nm, MMF 300m link, LC connector	20		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
12	25G Base SR SFP28 100m LC connector Multi-Mode	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
13	10 Gigabit Ethernet SFP+ module, 1310nm, SMF 10km link, LC connector	98		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
14	40G LR4 QSFP+ 10km LC connector Single-Mode MSA P/N EQPT404LR4LCL100.	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
15	25G LR SFP28 10km LC connector Single-Mode MSA P/N ESPT251LR1LCL100.	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
16	100G Passive DAC QSFP28 0.5M	52		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
17	100G Passive DAC QSFP28 3m MSA P/N EQPC1HPC030C0100.	3		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
C. Wireless Solutions					
18	HPE Aruba Networking AP-655 (RW) Tri-radio 4x4 802.11ax Wi-Fi 6E Internal Antennas TAA Campus AP	100		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
19	Aruba 5Y FC NBD Exch AP-65x TAA Campus SVC [for R7J43A]	100		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
20	HPE Aruba Networking AP-MNT-D Campus AP mount bracket kit (individual) type D: solid surface	100		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
21	HPE Aruba Networking AP-635 (RW) Tri-radio 2x2 802.11ax Wi-Fi 6E Internal Antennas Campus AP	28		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
22	Aruba 5Y FC NBD Exch AP-635 SVC [for R7J27A]	28		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

23	HPE Aruba Networking AP-MNT-D Campus AP mount bracket kit (individual) type D: solid surface	28		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
24	HPE Aruba Networking AP-503H (RW) Dual Radio 802.11ax 2x2 1+2 Ethernet Unified TAA Hospitality AP	228		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
25	Aruba 5Y FC NBD Exch AP-503H TAA SVC [for R3V37A]	228		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
26	HPE Aruba Networking AP-503H-MNT1 500H Series AP Kit with Single Wall-Box Mount Adapter	228		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
27	HPE Aruba Networking AP-575 (RW) TAA Dual Radio 2x2:2/4x4:4 802.11ax Integrated Omni Antennas Outdoor AP	17		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
28	Aruba 5Y FC NBD Exch AP-575 TAA SVC [for R4H32A]	17		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
29	HPE Aruba Networking AP-270-MNT-H2 Outdoor AP Flush Wall Mounting Bracket	17		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
30	HPE Aruba Networking AP-CBL-SERU Micro-USB TTL3.3V to USB2.0 AP Console Adapter Cable	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
31	HPE Aruba Networking 9240 (RW1) 4x SFP28 1x Expansion Slot Campus Gateway	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
32	Aruba 5Y FC NBD Exch 9240 Gateway SVC [for S0G71A]	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
33	HPE Aruba Networking 9240 AOS8 Gold Capacity License E-LTU	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
34	HPE Aruba Networking PSU-550-AC 550W AC Power Supply	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
35	HPE Aruba Networking PC-AC-IN 250V/6A 1.8m C13 to IS1293 (IN) AC Power Cord	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
36	HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
37	HPE Aruba Networking MCR-HW-5K Mobility Conductor Hardware Appliance Support for up to 5K Devices	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
38	Aruba 5Y FC NBD Exch MM-HW-5K SVC [for JY792A]	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
39	HPE Aruba Networking LIC-AP Controller per AP Capacity License E-LTU	373		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
40	Aruba 5Y FC SW Cntrl per AP Cpty E-L SVC [for JW472AAE]	373		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
41	HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
D. Horizontal Cabling Subsystem - Data Nodes (Commscope / Panduit / R&M)					
42	U/UTP Modular Unloaded Panel 1U, 24 Port Straight	40		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
43	Cat6A UTP, Low Smoke Zero Halogen Cordage Modular Patch Cord, Yellow Jacket, 7 Feet (For Rack end)	784		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
44	Cat6A UTP, Low Smoke Zero Halogen Cordage Modular Patch Cord, Yellow Jacket, 7 Feet (For User end)	784		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
45	GigaSPEED X10D® 360GS10E Solid Low Smoke Zero Halogen Cordage Modular Patch Cord, Red Jacket, 7 Feet (For Rack end)	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
46	GigaSPEED® X10D 3091B ETL Verified Category 6A U/UTP Cable, white jacket, 4 pair count, 1000 ft (305	16 box		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

	m) length, WE TOTE® box with Channel performance 660 MHz or more				
47	GigaSPEED X10D® 360GS10E Solid Low Smoke Zero Halogen Cordage Modular Patch Cord, Red Jacket, 3 Feet (For CCTV end)	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
48	2-Port Faceplate Shuttered Square Type	482		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
49	Cat6A UTP, Information Outlet, Yellow (For, Rack end)	784		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
50	Cat6A UTP, Information Outlet, Yellow (For, User end)	784		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
51	GigaSPEED® X10D MGS600 Series Information Outlet, Red (For, Rack end)	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
52	GigaSPEED® X10D MGS600 Series Information Outlet, Red (For, Camera end)	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
53	Blank Insert for Jack Panel (Pack of 100)	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
E. Horizontal Cabling Subsystem - Wireless Nodes (Commscope / Panduit / R&M)					
54	Category 6A U/UTP Cable, Outdoor, UV resistant, gray jacket, 4 pair count, 1000 ft (305 m) length, 4 pair count with Channel performance 660 MHz or more	8 box		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
55	U/UTP Modular Unloaded Panel 1U, 24 Port Straight	33		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
56	Cat6A UTP, Low Smoke Zero Halogen Cordage Modular Patch Cord, Green Jacket, 7 Feet (For Rack end)	524		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
57	Cat6A UTP, Low Smoke Zero Halogen Cordage Modular Patch Cord, Green Jacket, 3 Feet (For Wireless end)	524		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
58	2-Port Faceplate Shuttered Square Type	308		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
59	Cat6A UTP, Information Outlet, Green (For, Rack end)	655		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
60	Cat6A UTP, Information Outlet, Green (For, Wireless end)	655		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
61	Surface Mount Box, Dual Port White	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
62	Blank Insert for Jack Panel (Pack of 100)	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
F. Horizontal Cabling Subsystem - Fiber Nodes (For Lecture Hall) (Commscope / Panduit / R&M)					
63	2 Core, Armoured Drop Cable 9/125 µm SM-OS2, As per ITU-T G.652.D and G.657.A1(Bend Insensitive) Cable	3,300		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
64	48F, 1U, LC SM OS2, Loaded with Splice tray, Adapter & Splice Protectors	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
65	24F, 1U, LC SM OS2, Loaded with Splice tray, Adapter & Splice Protectors	1		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
66	HFTP with 2 Nos. of LC Coupler	34		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
G. Armoured Fiber Back Bone Cabling - OS2 SM (Commscope / Panduit / R&M)					

67	288-core Outside Plant Cable - ECCS Armor, FRLSZH Sheath, Loose-tube, Multitube, Gel-Free, 9/125 SM, OS2, 24 Tubes and each tube 12 Core.	2,500m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
68	12-core Indoor / Outdoor FRLSZH , Gel-Free, 9/125 SM, OS2	3650m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
69	288-fiber LC-Style, Singlemode , 19-inch, Rack mount Patch Panel Pre loaded with LC duplex SM adapter, 288 LC, SM OS2 Pigtails, Splice tray & Splice Protectors	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
70	4U sliding panel, accepts (16) splice cassettes, modules or adapter packs, providing up to 192 duplex LC ports	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
71	Splice Cassette, 24LC/UPC with internal shutters, OS2, with LC Style pigtails	24		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
72	Blank Adapter Pack, 4 Panels	2 pkt		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
73	Fiber Optic Splice Heat Shrink Protective Sleeves, 100-Pack	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
74	48F, 1U, LC SM OS2, Loaded with Splice tray, Adapter & Splice Protectors	6		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
75	24F, 1U, LC SM OS2, Loaded with Splice tray, Adapter & Splice Protectors	15		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
76	Singlemode LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 3 Mtr	118		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
77	Singlemode LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 10 Mtr	16		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
78	Fiber Optic Splice Closure, Gel Cable sealing, four pre-installed 24-splice trays, IP 68 Rated.	7		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
79	OM4 LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 3 Mtr	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
80	OM4 LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 15 Mtr	4		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
H. Rack & Accessories					
81	42U Enclosure (Size 800 X 1000) Supply includes: with Front Perforated Single Doors - Rear perforated Double Door with standard top & bottom cover, Side Panels, Fan tray with 4 Fans, Castors, 2 Nos of Vertical Power Strip 5/15A -12 Sockets, Earth Straps, 05 Nos of Hardware Pkt (1 PKT of 20 Nos.)	9		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
82	24U Closed Rack (Size 800 X 1000) Supply includes: with Front & Rear Doors, Side Panels, Fan tray with 4 Fans, 2 No. Horizontal six 5/15 Amp socket Power strip, 3 Nos of Hardware Pkt (1 PKT of 20 Nos.)	7		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
83	2U Double Sided Horizontal Cable Manager (For Field Cables & Switches)	107		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
I. Conduiting Items & Consumables					
84	40mm HDPE Pipe with Accessories	5700m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
85	50mm High Density Flexible Pipe with Accessories	230m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
86	40mm HDPE Pipe Coupler	190		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

87	25mm PVC Conduit / Channel with Accessories	1,000m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
88	25mm High Density Flexible Pipe with Accessories	30m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
89	32mm PVC Conduit / Channel with Accessories	2000m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
90	32mm High Density Flexible Pipe with Accessories	60m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
91	PVC Gang Box , 3 X 3 inch	790		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
92	Labels for 4-Pair Patch Cords (56 labels per sheet)	60 sheets		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
93	PVC Tube Printed Ferrule	2,978		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
94	PVC Cable Tie 8 Inch (Pkt - 100 Nos)	435		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
95	Mettalic Cable Tie (Pkt - 100 Nos)	27		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
96	Fiber Identification Tags	130		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
97	Fiber Route Marker (Post Type with Reflector)	50		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
98	Manhole / Chamber (Max. depth -1000mm)	25		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
99	Velcro Cable Tie	160m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
100	Outdoor Box	12		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
101	Velcro Cable Tie, 20mm x 200mm Black (Pkt of 100)	11 pkt		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
J. Services					
102	UTP Cable Segregation, Identification, Testing & Ferruling Charges	1,498		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
103	UTP Cable Laying Charges (upto a height of 4 mtr. Maximum)	7320m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
104	2 Core Fiber Cable Laying Charges	3,300m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
105	12 Core Fiber Cable Laying Charges	3650m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
106	288 Core Fiber Cable Laying Charges	2,500m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
107	UTP Termination for both ends, Labeling, Testing, Scanning, Jack Panel, Face Plate Fixing Charges	1,432		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
108	Fiber Core Preparation for Splicing & Fiber Splicing Charges	1,532		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
109	Fiber Scanning Charges	766		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
110	Fiber LIU / Fiber Enclosure / Fiber Route Marker Installation Charges	82		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
111	Fiber Window Cut Charges	8		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
112	Closed Rack Installation Charges	16		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

113	40mm HDPE Pipe Installation Charges	5700m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
114	50mm High Density Flexible Installation Charges	230m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
115	25mm PVC Conduit / Channel Fixing on Wall Charges	1,000m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
116	25mm High Density Flexible Fixing on Wall Charges	30m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
117	32mm PVC Conduit / Channel Fixing on Wall Charges	2000m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
118	32mm High Density Flexible Fixing on Wall Charges	60m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
119	PVC Gang Box Fixing on Surface Charges	790		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
120	Existing Network Rack Revamping Charges	2		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
121	Manhole / Chamber Installation Charges	25		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
122	SITC of Switches including configuration, migration (old to new setup) and integration with existing network	lumpsum		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
123	SITC of WiFi Access Points including configuration (old to new setup), migration and integration with existing network	lumpsum		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
124	Soft / Hard Digging & Re-filling / Digging in RCC ~ Road Cutting & Re-filling / Horizontal Directional Drilling Charges NOTE: Only Raw filling / finishing is considered for any opening or access made for HDD machine or for any other access needed while executing as per assigned SOW.	2,300m		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
125	Installation, testing, commissioning, migration (old setup to new), integration with old network etc for the project including documentation etc	lumpsum		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
126	Any other charges incidental to completion of the project including consumables, tools, cables, connectors etc	lumpsum		Yes <input type="checkbox"/> / No <input type="checkbox"/>	

Format-6
Financial Bid

(To be submitted on Letterhead in a separate sealed envelope)

Quote for SITC of Network and WiFi at New Academic Block and Girls Hostel at MDI-Gurgaon Campus with 5-year warranty and support at MDI Gurgaon

*Qty may increase / decrease/ may be zero at the time of placing the order

S. No.	Description	Qty*	Unit Price Excl. GST (INR)	Total Price excl. GST (INR)	GST Rate	Total Price incl. GST (INR)
A. Switching						
1	Extreme 7520-48Y Switch - Ships with two AC front-to-back airflow power supplies, six front-to-back airflow fans, one 4-post rack mount kit. Supports 48 x 1G/10G/25G fiber ports and 8 x 40G/100G fiber ports	2				
	EW NBD AHR 7520-48Y-8C-AC-F [Term: 5 Year]	2				
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	4				
	100G AOC QSFP28 10m TAA MSA P/N EQPC1HA0100C0100.	2				
2	Extreme 5520 Switch 24 1Gb/10Gb SFP+ ports 2 stacking/QSFP28 1 unpopulated VIM slot includes 2 fan modules 2 unpopulated modular PSU slots.	4				
	EW NBD AHR 5520-24X [Term: 5 Year]	4				
	350 Watt AC Power Supply Module - Front to Back airflow	8				
	Pwr Cord,10A,BS546,IEC320-C13	8				
	5520 Versatile Interface Module with four 25GbE SFP28 ports MACsec capable supported on Extreme Switching 5520	4				
	100G Passive DAC QSFP28 0.5M	4				
3	Extreme 5520 Switch 12 100Mb/1Gb/2.5Gb/5Gb 802.3bt 90W PoE 36 10/100/1000BASE-T FDX/HDX 802.3bt 90W PoE 2 stacking/QSFP28 1 un-pop VIM slot MACsec capable 3 fan modules 2 unpopulated modular PSU slots.	7				
	EW NBD AHR 5520-12MW-36W [Term: 5 Year]	7				
	2000 Watt AC PoE Power Supply Module - Front to Back airflow. Supported on ExtremeSwitching X465 VSP4900 and 5520	14				
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	14				
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on ExtremeSwitching 5520	7				
4	Extreme 5720 Switch 48 100Mb/1Gb/2.5Gb/5Gb 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes fan modules 2 unpopulated modular PSU slots.	5				
	EW NBD AHR 5720-48MW [Term: 5 Year]	5				
	1100 Watt AC PoE Power Supply Module - Front to Back airflow	10				

	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	10			
	5720 Versatile Interface Module with 6 25GbE SFP28 ports, MACsec capable.	5			
5	Extreme 5720 Switch 24 100Mb/1Gb/2.5Gb/5Gb 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes fan modules 2 unpopulated modular PSU slots.	8			
	EW NBD AHR 5720-24MW [Term: 5 Year]	8			
	1100 Watt AC PoE Power Supply Module - Front to Back airflow	16			
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	16			
	5720 Versatile Interface Module with 6 25GbE SFP28 ports, MACsec capable.	8			
6	Extreme 5520 Switch 48 10/100/1000BASET FDX/HDX 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes 3 fan modules 2 unpopulated modular PSU slots.	2			
	EW NBD AHR 5520-48W [Term: 5 Year]	2			
	1100 Watt AC PoE Power Supply Module - Front to Back airflow	4			
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	4			
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on Extreme Switching 5520	2			
7	Extreme 5520 Switch 24 10/100/1000BASET FDX/HDX 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes 3 fan modules 2 unpopulated modular PSU slots.	10			
	EW NBD AHR 5520-24W [Term: 5 Year]	10			
	715 Watt AC PoE Power Supply Module - Front to Back airflow	20			
	Power Cord, 10A, SOUTH AFRICA, SABS 164/1, IEC320-C15	20			
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on Extreme Switching 5520	10			
8	Extreme 5320 Switch 16 10/100/1000Base-T PoE+ ports 4x1GbE SFP ports upgradeable to 10G SFP+ MACsec capable 1 Fixed AC PSU Fans.	13			
	EW NBD AHR 5320-16P-4XE [Term: 5 Year]	11			
	Pwr Cord,10A,BS546,IEC320-C13	11			
	10 Gigabit Ethernet SFP+ module, 1310nm, SMF 10km link, LC connector	44			
	Singlemode LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 3 Mtr	44			
9	Extreme 5520 Switch 24 10/100/1000BASET FDX/HDX 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes 2 fan modules 2 unpopulated modular PSU slots.	12			
	EW NBD AHR 5520-24T [Term: 5 Year]	12			
	350 Watt AC Power Supply Module - Front to Back airflow	24			

	Pwr Cord,10A,BS546,IEC320-C13	24				
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on Extreme Switching 5520	12				
10	Extreme 5520 Switch 48 10/100/1000BASET FDX/HDX 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes 3 fan modules 2 unpopulated modular PSU slots.	14				
	EW NBD AHR 5520-48T [Term: 5 Year]	14				
	350 Watt AC Power Supply Module - Front to Back airflow	28				
	Pwr Cord,10A,BS546,IEC320-C13	28				
	5520 Versatile Interface Module with four 10GbE SFP+ ports supported on ExtremeSwitching 5520	14				
Sub Total (A)						
B. Transceivers & DAC Cables						
11	10 Gigabit Ethernet SFP+ module, 850nm, MMF 300m link, LC connector	20				
12	25G Base SR SFP28 100m LC connector Multi-Mode	8				
13	10 Gigabit Ethernet SFP+ module, 1310nm, SMF 10km link, LC connector	98				
14	40G LR4 QSFP+ 10km LC connector Single-Mode MSA P/N EQPT404LR4LCL100.	4				
15	25G LR SFP28 10km LC connector Single-Mode MSA P/N ESPT251LR1LCL100.	8				
16	100G Passive DAC QSFP28 0.5M	52				
17	100G Passive DAC QSFP28 3m MSA P/N EQPC1HPC030C0100.	3				
Sub Total (B)						
C. Wireless Solutions						
18	HPE Aruba Networking AP-655 (RW) Tri-radio 4x4 802.11ax Wi-Fi 6E Internal Antennas TAA Campus AP	100				
19	Aruba 5Y FC NBD Exch AP-65x TAA Campus SVC [for R7J43A]	100				
20	HPE Aruba Networking AP-MNT-D Campus AP mount bracket kit (individual) type D: solid surface	100				
21	HPE Aruba Networking AP-635 (RW) Tri-radio 2x2 802.11ax Wi-Fi 6E Internal Antennas Campus AP	28				
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23	HPE Aruba Networking AP-MNT-D Campus AP mount bracket kit (individual) type D: solid surface	28				
24	HPE Aruba Networking AP-503H (RW) Dual Radio 802.11ax 2x2 1+2 Ethernet Unified TAA Hospitality AP	228				
25	Aruba 5Y FC NBD Exch AP-503H TAA SVC [for R3V37A]	228				
26	HPE Aruba Networking AP-503H-MNT1 500H Series AP Kit with Single Wall-Box Mount Adapter	228				
27	HPE Aruba Networking AP-575 (RW) TAA Dual Radio 2x2:2/4x4:4 802.11ax Integrated Omni Antennas Outdoor AP	17				
28	Aruba 5Y FC NBD Exch AP-575 TAA SVC [for R4H32A]	17				
29	HPE Aruba Networking AP-270-MNT-H2 Outdoor AP Flush Wall Mounting Bracket	17				

30	HPE Aruba Networking AP-CBL-SERU Micro-USB TTL3.3V to USB2.0 AP Console Adapter Cable	2				
31	HPE Aruba Networking 9240 (RW1) 4x SFP28 1x Expansion Slot Campus Gateway	2				
32	Aruba 5Y FC NBD Exch 9240 Gateway SVC [for S0G71A]	2				
33	HPE Aruba Networking 9240 AOS8 Gold Capacity License E-LTU	2				
34	HPE Aruba Networking PSU-550-AC 550W AC Power Supply	2				
35	HPE Aruba Networking PC-AC-IN 250V/6A 1.8m C13 to IS1293 (IN) AC Power Cord	4				
36	HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver	4				
37	HPE Aruba Networking MCR-HW-5K Mobility Conductor Hardware Appliance Support for up to 5K Devices	1				
38	Aruba 5Y FC NBD Exch MM-HW-5K SVC [for JY792A]	1				
39	HPE Aruba Networking LIC-AP Controller per AP Capacity License E-LTU	373				
40	Aruba 5Y FC SW Cntrl per AP Cpty E-L SVC [for JW472AAE]	373				
41	HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver	2				
Sub Total (C)						
D. Horizontal Cabling Subsystem - Data Nodes (Commscope / Panduit / R&M)						
42	U/UTP Modular Unloaded Panel 1U, 24 Port Straight	40				
43	Cat6A UTP, Low Smoke Zero Halogen Cordage Modular Patch Cord, Yellow Jacket, 7 Feet (For Rack end)	784				
44	Cat6A UTP, Low Smoke Zero Halogen Cordage Modular Patch Cord, Yellow Jacket, 7 Feet (For User end)	784				
45	GigaSPEED X10D® 360GS10E Solid Low Smoke Zero Halogen Cordage Modular Patch Cord, Red Jacket, 7 Feet (For Rack end)	8				
46	GigaSPEED® X10D 3091B ETL Verified Category 6A U/UTP Cable, white jacket, 4 pair count, 1000 ft (305 m) length, WE TOTE® box with Channel performance 660 MHz or more	16 box				
47	GigaSPEED X10D® 360GS10E Solid Low Smoke Zero Halogen Cordage Modular Patch Cord, Red Jacket, 3 Feet (For CCTV end)	8				
48	2-Port Faceplate Shuttered Square Type	482				
49	Cat6A UTP, Information Outlet, Yellow (For, Rack end)	784				
50	Cat6A UTP, Information Outlet, Yellow (For, User end)	784				
51	GigaSPEED® X10D MGS600 Series Information Outlet, Red (For, Rack end)	8				
52	GigaSPEED® X10D MGS600 Series Information Outlet, Red (For, Camera end)	8				
53	Blank Insert for Jack Panel (Pack of 100)	4				
Sub Total (D)						
E. Horizontal Cabling Subsystem - Wireless Nodes (Commscope / Panduit / R&M)						

54	Category 6A U/UTP Cable, Outdoor, UV resistant, gray jacket, 4 pair count, 1000 ft (305 m) length, reel with Channel performance 660 MHz or more	8 box				
55	U/UTP Modular Unloaded Panel 1U, 24 Port Straight	33				
56	Cat6A UTP, Low Smoke Zero Halogen Cordage Modular Patch Cord, Green Jacket, 7 Feet (For Rack end)	524				
57	Cat6A UTP, Low Smoke Zero Halogen Cordage Modular Patch Cord, Green Jacket, 3 Feet (For Wireless end)	524				
58	2-Port Faceplate Shuttered Square Type	308				
59	Cat6A UTP, Information Outlet, Green (For, Rack end)	655				
60	Cat6A UTP, Information Outlet, Green (For, Wireless end)	655				
61	Surface Mount Box, Dual Port White	2				
62	Blank Insert for Jack Panel (Pack of 100)	1				
	Sub Total (E)					
F. Horizontal Cabling Subsystem - Fiber Nodes (For Lecture Hall) (Commscope / Panduit / R&M)						
63	2 Core, Armoured Drop Cable 9/125 µm SM-OS2, As per ITU-T G.652.D and G.657.A1(Bend Insensitive) Cable	3,300				
64	48F, 1U, LC SM OS2, Loaded with Splice tray, Adapter & Splice Protectors	1				
65	24F, 1U, LC SM OS2, Loaded with Splice tray, Adapter & Splice Protectors	1				
66	HFTP with 2 Nos. of LC Coupler	34				
	Sub Total (F)					
G. Armoured Fiber Back Bone Cabling - OS2 SM (Commscope / Panduit / R&M)						
67	288-core Outside Plant Cable - ECCS Armor, FRLSZH Sheath, Loose-tube, Multitube, Gel-Free, 9/125 SM, OS2, 24 Tubes and each tube 12 Core.	2,500m				
68	12-core Indoor / Outdoor FRLSZH , Gel-Free, 9/125 SM, OS2	3650m				
69	288-fiber LC-Style, Singlemode , 19-inch, Rack mount Patch Panel Pre loaded with LC duplex SM adapter, 288 LC, SM OS2 Pigtails,Splice tray & Splice Protectors	2				
70	4U sliding panel, accepts (16) splice cassettes, modules or adapter packs, providing up to 192 duplex LC ports	2				
71	Splice Cassette, 24LC/UPC with internal shutters, OS2, with LC Style pigtails	24				
72	Blank Adapter Pack, 4 Panels	2 pkt				
73	Fiber Optic Splice Heat Shrink Protective Sleeves, 100-Pack	8				
74	48F, 1U, LC SM OS2, Loaded with Splice tray, Adapter & Splice Protectors	6				
75	24F, 1U, LC SM OS2, Loaded with Splice tray, Adapter & Splice Protectors	15				
76	Singlemode LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 3 Mtr	118				
77	Singlemode LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 10 Mtr	16				

78	Fiber Optic Splice Closure, Gel Cable sealing, four pre-installed 24-splice trays, IP 68 Rated.	7				
79	OM4 LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 3 Mtr	4				
80	OM4 LC to LC, Fiber Patch Cord, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH), 15 Mtr	4				
	Sub Total (G)					
H. Rack & Accessories						
81	42U Enclosure (Size 800 X 1000) Supply includes: with Front Perforated Single Doors - Rear perforated Double Door with standard top & bottom cover, Side Panels, Fan tray with 4 Fans, Castors, 2 Nos of Vertical Power Strip 5/15A -12 Sockets, Earth Straps, 05 Nos of Hardware Pkt (1 PKT of 20 Nos.)	9				
82	24U Closed Rack (Size 800 X 1000) Supply includes: with Front & Rear Doors, Side Panels, Fan tray with 4 Fans, 2 No. Horizontal six 5/15 Amp socket Power strip, 3 Nos of Hardware Pkt (1 PKT of 20 Nos.)	7				
83	2U Double Sided Horizontal Cable Manager (For Field Cables & Switches)	107				
	Sub Total (H)					
I. Conduiting Items & Consumables						
84	40mm HDPE Pipe with Accessories	5700m				
85	50mm High Density Flexible Pipe with Accessories	230m				
86	40mm HDPE Pipe Coupler	190				
87	25mm PVC Conduit / Channel with Accessories	1,000m				
88	25mm High Density Flexible Pipe with Accessories	30m				
89	32mm PVC Conduit / Channel with Accessories	2000m				
90	32mm High Density Flexible Pipe with Accessories	60m				
91	PVC Gang Box , 3 X 3 inch	790				
92	Labels for 4-Pair Patch Cords (56 labels per sheet)	60 sheets				
93	PVC Tube Printed Ferrule	2,978				
94	PVC Cable Tie 8 Inch (Pkt - 100 Nos)	435				
95	Mettalic Cable Tie (Pkt - 100 Nos)	27				
96	Fiber Identification Tags	130				
97	Fiber Route Marker (Post Type with Reflector)	50				
98	Manhole / Chamber (Max. depth -1000mm)	25				
99	Velcro Cable Tie	160m				
100	Outdoor Box	12				
101	Velcro Cable Tie, 20mm x 200mm Black (Pkt of 100)	11 pkt				
	Sub Total (I)					

J. Services						
102	UTP Cable Segregation, Identification, Testing & Ferruling Charges	1,498				
103	UTP Cable Laying Charges (upto a height of 4 mtr. Maximum)	7320m				
104	2 Core Fiber Cable Laying Charges	3,300m				
105	12 Core Fiber Cable Laying Charges	3650m				
106	288 Core Fiber Cable Laying Charges	2,500m				
107	UTP Termination for both ends, Labeling, Testing, Scanning, Jack Panel, Face Plate Fixing Charges	1,432				
108	Fiber Core Preparation for Splicing & Fiber Splicing Charges	1,532				
109	Fiber Scanning Charges	766				
110	Fiber LIU / Fiber Enclosure / Fiber Route Marker Installation Charges	82				
111	Fiber Window Cut Charges	8				
112	Closed Rack Installation Charges	16				
113	40mm HDPE Pipe Installation Charges	5700m				
114	50mm High Density Flexible Installation Charges	230m				
115	25mm PVC Conduit / Channel Fixing on Wall Charges	1,000m				
116	25mm High Density Flexible Fixing on Wall Charges	30m				
117	32mm PVC Conduit / Channel Fixing on Wall Charges	2000m				
118	32mm High Density Flexible Fixing on Wall Charges	60m				
119	PVC Gang Box Fixing on Surface Charges	790				
120	Existing Network Rack Revamping Charges	2				
121	Manhole / Chamber Installation Charges	25				
122	SITC of Switches including configuration, migration(old to new setup) and integration with existing network	lumpsum				
123	SITC of WiFi Access Points including configuration (old to new setup), migration and integration with existing network	lumpsum				
124	Soft / Hard Digging & Re-filling / Digging in RCC ~ Road Cutting & Re-filling / Horizontal Directional Drilling Charges NOTE : Only Raw filling / finishing is considered for any opening or access made for HDD machine or for any other access needed while executing as per assigned SOW.	2,300m				
125	Installation, testing, commissioning, migration (old setup to new), integration with old network etc for the project including documentation etc	lumpsum				
126	Any other charges incidental to completion of the project including consumables, tools, cables, connectors etc	lumpsum				
Sub Total (J)						
Grand Total (A+B+C+D+E+F+G+H+I+J)						

Grand Total Amount in Figures: Rs. _____

Grand Total Amount in Words: Rs _____

Delivery period in Weeks: _____

Installation period in Weeks: _____

A. Quote for Buyback#

S. No.	Device	Qty.	Unit Price in Rs.	GST	Total Price Excl. GST	Total Price Incl. GST
1.	Old Network Equipment	01				
2.	Old Gang Box with Face Plate	06				
3.	Total					

Note:

*Quantity of new purchase may increase/decrease/ may be zero at the time of placing order.

#Refer tender terms for buyback devices

- The Scope and specifications given in Section-E must be agreed. The bid with deviations would be rejected.
- Quotation Validity Period: - 180 days from the last date of Submission of quotation/tender.
- In case of discrepancy in the amount quoted in figure and words, the amount mentioned, which results in lowest payable by MDI will be taken into consideration.
- 5-year warranty from OEM with next day business support.
- Price quoted should be inclusive of freight, cartage, delivery and installation at MDI Gurgaon Campus. Nothing extra will be paid.
- #MDI may place the order for the whole/ some of the items indicated above. Quantity of each item may vary (increase/ decrease) at the time of placing the order. Decision of competent authority of MDI in this regard shall be final and acceptable to the bidder.
- **Not delivering items within the period indicated above would attract penalty**
- **Financial bid not in the format-6 (as above) would be summarily rejected.**
- **All items must be quoted. Not quoting for one or more of the above items would lead to rejection of the bid.**
- **Payment terms not in conformity of the tender terms would lead to rejection of the bid.**

Signature of the bidder signatory

Full Name of bidder signatory

Full name of the bidder company

Stamp

Date:

Place:

(To be submitted on company letter head)