

**NATIONAL CENTRE FOR DISEASE INFORMATICS AND RESEARCH
(Indian Council of Medical Research)**

Department of Health Research, Ministry of Health and Family Welfare, Government of India,
Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli, N.H-7, B. B. Road, Kannamangala Post,
Bengaluru-562 110 (India)

TENDER FOR

**VOICE, DATA AND UPS CONNECTIVITY WITH
ELECTRICAL WIRING CABLING WORK FOR NIRMAL
BHAWAN, ICMR COMPLEX, BENGALURU**

THROUGH

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NATIONAL CENTRE FOR DISEASE INFORMATICS AND RESEARCH
Indian Council of Medical Research, Bengaluru

NOTICE INVITING TENDER

NCDIR, Bengaluru invites sealed tenders under for Voice, Data and UPS connectivity with Electrical cabling work for Nirmal Bhawan, ICMR Complex, Bengaluru

SCHEDULE		
SI. No.	Activity Description	Schedule
1.	Tender Enquiry	NCDIR/ICMR/311/2019
2.	Sale of tender Document	From 20.09.2019 to 11/10/2019 (9 AM to 5 PM)
3.	Site Inspection	23/09/2019 to 10/10/2019 (working hours 11:00 AM to 4:00 PM)
4.	Time and date of Pre-bid Meeting	27/09/2019 at 2:30 PM
5.	Time and last date of depositing Tender/Bid	14/10/2016 upto 5:00 PM
6.	Time and date of Opening of Technical Bid	16/10/2019 at 2:30 PM
7.	Time and Date of opening of Financial Bid	The Financial bid will be opened after evaluation of technical bid, which will be announced later.
8.	Minimum Validity of tender Offer	One year from the date of Opening of tender
9.	Services to be offered	Voice, Data and UPS connectivity with Electrical cabling work for Nirmal Bhawan, ICMR Complex, Bengaluru
10.	Estimated Cost of Tender	₹ 60,00,000/-
11.	Amount of EMD to be Deposited	₹ 1,50,000/-
12.	Cost of Tender Document	₹ 500/-

Important Notes:

1. NCDIR reserves the right to accept / reject any/all tenders in part/full without assigning any reason thereof.
2. Any Addendum/Corrigendum date extension in respect of above tender shall be displayed on our website www.ncdirindia.org only and no separate notification shall be issued in the press. Bidders are therefore requested to regularly visit our website to keep them updated.

DIRECTOR
NCDIR(ICMR), BENGALURU

DOCUMENTS TO BE SUBMITTED BY THE BIDDERS:

- 1) The Bidders are mandated to submit all the following duly filled forms without fail.
- 2) The Incomplete/ Blank/ Illegible/ documents will be rejected.

Sl. No	Name of the document	Page No.	Select the appropriate
1.	Schedule - B	48	Yes / No
2.	Proof of Experience (Annexure III (a))	38	Yes / No
3.	Satisfactory Performance Certificate (Annexure III (b))	39	Yes / No
4.	Vendor/Contractor/Supplier Details (Annexure IV)	40-41	Yes / No
5.	Undertaking from Bidders (Annexure V)	42	Yes / No
6.	Tender Fee & Earnest Money Deposit Payment Particulars (Annexure VI)	43	Yes / No
7.	Performance Security (Annexure VII)	44-45	Yes / No
8.	Non-Blacklisting Declaration (Annexure VIII)	46	Yes / No
9.	Turn Over Details (Annexure IX)	47	Yes / No

1. INTRODUCTION:

NCDIR invites bids from eligible bidders for providing Voice, Data, and UPS Connectivity with Electrical Cabling work for Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli, Off N.H. -7, Adjacent to Trumpet Flyover of BIAL, Kannamangala Post, Bengaluru for enhancing organization communication infrastructure.

1. SCOPE OF WORK:

Assess the feasibility to lay new lines to provide data, voice and UPS connection to the identified Location as mentioned in the Annexure.

Work involved:-

1. Drawing and laying of optical fibres from NCDIR server room to all the identified places in the Annexure 1.
2. Drawing of data, voice and electrical points to all the workstations (cubicles) from the identified places
3. Drawing of additional UPS line from main line to NCDIR ground floor rooms.
4. Necessary civil work will be taken up.
5. Configuring data switches, Wi-Fi route, data racks, etc.

3. Eligibility Criteria:-

The bidder should fulfil the following eligibility criteria. They are required to submit copies of documents to substantiate their qualifying criteria.

The bidders should physically visit the site to understand the site working conditions, nature of jobs prior to submission of tender and submit duly filled and signed Schedule-B only then the bidders will be eligible.

1. The bidder must be a single entity. Consortiums will not be allowed to participate in the procurement process. The bidder should not have been blacklisted/debarred from participating in tendering by the Central Government/State Government/other Govt. bodies or under a declaration of ineligibility for corrupt or fraudulent practices.
2. If either NCDIR or the Bidder decides to end the contract, a notice of one month must be given by the party regarding the termination of the contract.
3. NCDIR must be intimated / reminded at least two months in advance before the contract is due for renewal.
4. Bidder must have valid licenses for related trades as applicable, PAN, GST, EPFO, ESIC and income Tax clearance certificate etc. registration with respective registering authorities.

5. The bidder should have average annual turnover of more than 15.00 Lakhs during the last three financial years i. e. FY 2016-17, 2017-18 & 2018-19 (Valid CA certificate to be enclosed)
6. The bidder should be a profitable agency & should have shown the profits in each of last three financial i. e. FY 2016-17, 2017-18 & 2018-19 (Valid CA certificate to be enclosed).
7. The bidder should have successfully executed minimum single work of similar type, costing more than Rs.8.00 Lakhs, during last three years in Govt./PSU, etc., (Proof of the same should be submitted along with completion certificate)
OR
8. The bidder should have successfully executed minimum two works of similar type, costing more than Rs. 4.00 Lakhs during last three years in Govt./PSU, etc., (Proof of the same should be submitted along with completion certificate)
OR
9. The bidder should have successfully executed minimum three works of similar type, costing more than Rs. 3.00 Lakhs during last three years in Govt./PSU, etc., (Proof of the same should be submitted along with completion certificate)
10. The bidder should not have been blacklisted by any PSU, enterprise/ Govt. Department during last 05 years. A written undertaking has to be given by the bidder in this regard.
11. The contractor should be an income tax assessee and should have filed income tax return for the last three years (Proof of the same should be submitted).
12. The vendor/Contractor should have minimum 5 years of experience of executing similar works. (during last 5 years as on March 31st, 2019)
13. The firm shall produce/submit a self-declaration that there are -
 - (a) No vigilance and / or court cases pending against it.
 - (b) No inquiry or investigation pending against it from any statutory regulatory and / or investigation agency.

2. **PRE-QUALIFICATION FOR BIDDER:**

Mandatory requirements for a bidder to qualify as a participant in this tender:

A. Qualifying Specification for Wired and Wireless:

1. The OEM should feature as a leader / challenger in Gartner's Magic quadrant.
2. The Manufacturer Authorization Format (MAF) from the OEM.
3. The OEM and Partner should each have executed at least 5 projects of similar scale and value in India, using a architecture and technologies similar to that being proposed in their quotation against this tender. Purchase order copies with certificate of satisfactory completion from the IT manager (of the same institution as purchase order provided) must be submitted with the technical bid. The OEM and partner should have executed

projects of similar technology, scale and value at premier Indian Academic / Research institutions of equivalent stature.

4. All warranty and support must be serviced directly by the OEM. NCDIR requires that there be a Single Point of Contact (SPOC) from OEM who is responsible for all issues between NCDIR and the OEM. The OEM must have a support centre in India preferably in Bengaluru. Please furnish complete support matrix including escalation matrix.
5. All quotations submitted must follow the prescribed format for technical compliance as in document below. Failure to do so will result in the quotation being summarily rejected.
6. All equipment will be housed in non-air conditioned environment. Provision for natural ingress of cool air and natural venting of hot air has been made at all such locations. The equipment proposed should be able to function in such an environment 0-45 degree C.
7. The components quoted must have all encompassing warranty of 5 years' duration which includes hardware and accessories, software updates and on call support with option for 6th and 7th year quoted as separate line item.
8. Letter from OEM stating that the product offered should not have end-of-life (for sales) for at least three years from date of submission of quotation.
9. The core and edge Ethernet switching equipment must run identical operating systems.
10. Both wired and wireless solutions offered against this tender must be from the branded OEM.
11. Wired and wireless equipment quoted by the OEM/partner must be supported for full configuration, management and monitoring by a single NMS package. The NMS should be part of the solution proposed. - quoted separately as an option.

B. Qualifying Specification for Electrical:

1. The bidder must have adequate past experience of working in any one or more of the following areas.
 - a. Electrical wiring
 - b. Cable laying termination & earthing.
2. Materials shall be of approved quality and the best of their kind available and shall generally conform to Indian Standard (I.S) Specifications.
3. The Contractor shall order all the materials required for the execution of work in such a way that the materials are on site well ahead of requirement for use in the work.
4. In the absence of specifications for any work or materials, relevant Indian Standard Specifications shall be applicable.
5. It shall be the responsibility of the Contractor to comply with the regulations laid down by the Indian Electricity Rules and local authorities.
6. The Contractor shall be responsible for testing and commissioning the entire electrical installation described in these specifications and relevant IS specifications and will demonstrate the operation of the systems to the entire satisfaction of the Architect and to the Client approval.
7. At the close of work and before issue of final certificate of virtual completion by Owner / Architect, the contractor shall furnish a written guarantee indemnifying the owner

against defective materials and workmanship for a period of ONE YEAR after commissioning. The contractor shall hold himself fully responsible for reinstallation or replacement of defective material free of cost to the owner.

3. GENERAL TERMS AND CONDITIONS:

Name of Work: - Voice, Data, and UPS Connectivity with Electrical Cabling work for Nirmal Bhawan-ICMR Complex, Bengaluru.

1. The bidders must visit/inspect the site and its surrounding from 23/09/2019 to 10/10/2019 on any working day between 11:00 AM and 4:00 PM by prior appointment with the Director, NCDIR, Bengaluru to assess the accessibility and the scope of works before submitting their offer. No claims later on in regard to the site and its surroundings or any matter relating thereto shall be entertained. The bidders shall arrange & maintain at his (their) own cost all materials, Tools & Plants, security (for their men/materials), storage for material and facilities to the workmen for executing the work.
2. An Earnest Money Deposit (EMD): EMD of Rs 1,50,000- (Rupees One lakh fifty thousand Only) has to be enclosed along with the tender. The EMD shall be only in the form of Demand Draft / pay order drawn in favour of “The Director, NCDIR”, payable at Bengaluru, along with the tender, failing which the bid will summarily be rejected. **No Cheque / Cash shall be accepted as EMD.**
3. Earnest Money Deposited by the successful bidder shall be converted into security deposit. Same will be released after completion of work.
4. The rates mentioned in the financial bid shall be inclusive of all WCT, GST, Duties, Octroi, Packing, Forwarding, Cartage, Insurance, Loading-unloading, road permit/state entry permit and Delivery, Installation, Testing, Commissioning, etc., at site including temporary constructional Storage, Risks, Overhead Charges, General Liabilities/Obligations etc and any other taxes as applicable. Any variation in the above said taxes till the completion of the work will also be in the bidders account.
5. Tender documents shall be available on Bank’s website only.
6. Duly sealed tenders shall be dropped in the tender box /to be submitted at NCDIR (Indian Council of Medical Research) Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli, N.H-7, B. B. Road, Kannamangala Post, Bengaluru-562 110 (India).
7. Tender **MUST** be duly signed and stamped **on each page as a token of acceptance of all terms and conditions /clauses** of the tender enquiry.
8. Sealed tenders should be addressed to the Director, NCDIR, Bengaluru and super scribed as **“TENDER FOR Voice, Data, and UPS Connectivity with Electrical cabling work**

For Nirmal Bhawan, ICMR Complex, NCDIR, Bengaluru” and sent as to reach this office not later than 5.00 PM on 14.10.2019.

9. Tenders not accompanied with EMD, supporting documents and application fee shall be rejected and considered invalid. The earnest money shall be to the tenderer if the tender is not accepted but without any interest. EMD amount deposited by the tenderer, whose tender is accepted, shall be adjusted towards security deposit to be retained by the NCDIR, Bengaluru for one year.
10. **The conditional tender shall not be considered under any circumstances and shall be rejected without any notice.**
11. **No tender will be received after 5.00 PM on 14.10.2019.**
12. All tenders/bids shall be the property of NCDIR, Bengaluru, and contractors will lay no claim whatsoever on the same.
13. Tender will be opened at NCDIR, Bengaluru on date **16.10.2019 at 2.30 PM**. interested bidders may attend tender opening process, Separate communication will not be given from our side. The rates tendered by the contractors shall be valid for 180 days from the date of opening.
14. The NCDIR, Bengaluru reserves the right to reject any or all the tenders in full or in part without assigning any reasons whatsoever, and the decision of the NCDIR, Bengaluru in this regard will be binding on all the bidders. Bidders not complying with any of the provisions stated in this tender document are liable to be rejected. The NCDIR, Bengaluru reserves the right to accept or reject any tender without assigning any reason and does not bind himself to accept the lowest tender.
15. The Director, NCDIR, Bengaluru does not bind himself to accept the lowest or any tender and reserves the right to accept or reject any or all the tenders whether in whole or in part without assigning any reason for doing so. The owner reserves his rights to negotiate with the lowest or any other tender/s.
16. Each of the tender documents is required to be signed by the person or persons submitting the tender in token of his/ their having acquired himself/ themselves with the general conditions, articles of agreement, mode of measurements, schedule of probable quantities, site conditions and the time schedule etc. as laid down. Any tender with any of the documents not signed will be liable to be rejected.
17. Payment terms as follows: - a) No advance payment will be made. b) The payment shall be made after successful completion and handing over of work in all respect.
18. Income Tax and surcharge will be deducted as per Govt. of India rules.
19. The above mentioned work should be completed within 30 days of issuing work order.

20. Tenderer shall fill in rates for all items of work described in the Schedule -B. All entries must be made by hand and in ink. The rates quoted for the items shall compulsorily be in “Figure” & “Words” in English. In the event of discrepancy between the rates quoted in figures & words, the rates quoted in words, shall be binding. Tender not quoted in above said manner will be refused and will not be considered. Items against which no rate is entered by the tenderer will not be paid for by the Owner when executed and shall be deemed covered by the other rates in the Schedule-B. If any of the documents is missing or unsigned the tender shall be considered invalid.
21. All erasures and alterations made while filling the tender must be attested with initials of the tenderer. Overwriting of figures is not permitted. Failure to comply with either of these conditions will render the tender invalid.
22. All the pages of the tender documents should be signed by the tenderer.
23. Within seven days of the receipt of intimation from the Owner of acceptance of his/ their tender, the successful tenderer shall be bound to implement the contract by signing the agreement in accordance with the draft agreement and the conditions of contract with the owner.
24. In case L1 backs out, The NCDIR, Bengaluru reserves the right to entrust to L2, provided L2 agrees to carry out work on L1’s rates. In that case, EMD of L1 will be forfeited.
25. The retention money (as mentioned in appendix) shall be kept with the Owner for a period of 12 months after the completion certificate issued by the architect, said amount is not to bear interest.
26. The rates quoted by the contractor should include all charges for scaffolding materials labour, hire or any tools, marking out and clearing of the site as mentioned in the specifications. The rate quoted by the tenderer in the Schedule-B of probable quantities will be deemed to be for the finished work to be measured at site.
27. The rates shall be inclusive of all octroi duty, L.B.T.; works contract tax, Provident Fund, Insurance etc. levied by any Government or any public body. The contractor shall abide by the rules of Minimum Wage Act and Child Labour Act and keep the owner indemnified regarding the same. The contractor should take necessary insurance for the work as required under the workman compensation act, labour laws etc. as prevailing.
28. The rate shall be binding to the Contractor, for all the tender items till the completion of defect liability period irrespective of variation in market rates of material and labor.
29. The Director, Bengaluru reserves the right to terminate the contract without any reference or any notice period on account of poor workmanship, non-compliance of set norms/specifications for the works, delay in progress of work, violation of any contract provisions by the bidder, failure to start the work within 7 days from date of issue of

Letter of Intent (L.O.I). The contract can also be terminated at the request of contractor within 7 days from the date of issue of LOI order. In such cases the bidder is liable to pay Liquidated damages @ 5% of tendered value besides forfeiting security deposit/EMD.

30. NCDIR, Bengaluru shall be fully empowered to expel any of the bidder's staff in case of any indiscipline/misconduct/violence.
31. Any violation of instruction/agreement or suppression of facts will attract cancellation of agreement without any reference or any notice period and in such case the amount of earnest money/B.G will be forfeited.
32. The agency shall carry out regular visit/inspection/maintenance (if required, with prior approval of NCDIR) of entire system and attend un-limited calls/breakdown calls during the contract period & then after up to defect liability period. The contractor will attend to all defects noticed during defects liability period. If the contractor fails to attend the defects these defects will be rectified by the NCDIR, Bengaluru and the expenditure incurred on this account will be recovered from the security deposit.
33. The calculations made by the tenderer should be based upon probable quantities of the several items of work, which are furnished for the tenderers' convenience in the schedule B. It must be clearly understood that the contract is not a lump-sum contract that neither the probable quantities nor value of the individual and the aggregate value of the entire tender will form a part of the contract and that Architect doesn't in any way assure the tenderer or guarantee that the said probable quantities are correct or that the work would correspond thereto.
34. The items against which no quantity is shown in schedule -B for which tenderer is to quote his rates and the NCDIR at its discretion may ask the contractor to execute those items, if required and which shall be binding on the contractor to execute those items at the rates quoted therein in the tender.
35. In case the successful bidder reviles from the offer within the validity of tender, the earnest money will be forfeited. Similarly, if successful contractor fails to commence the work within 7 day from the date of issue of award letter, the amount of earnest money will also be forfeited besides blacklisting the firm.
36. Special attention of the tenderer is drawn to the alternative items in the schedule of probable quantities. The rates and amount for these alternative items shall be duly filled in. The Architect reserves to himself the right to adopt any of the alternative items, either after scrutinizing and deciding upon the tenders or later when the work is being executed.
37. The various materials stored on site shall be protected from the fire, floods or rains etc. and the contractor shall be responsible for any damage caused to the owner for the same.
38. The contractor shall allow enough facilities to the sub-contractors employed by the NCDIR and should co-operate with them and that small holes etc. made by these sub-

contractors to the structure shall be properly corrected by the general contractor without any prejudice and extra cost whatsoever.

39. The bills shall be prepared by the contractor in the manner required by the Architect & NCDIR and should be submitted to him. The NCDIR shall pay the contractor within 15 days' time from the issue of the certificate of payment by the architect. All payments by NCDIR under this contract shall be made at Bengaluru.
40. If bidder at any time makes default during currency of work or does not execute any part of the work with due diligence or Commits default in complying with any of the terms and conditions of the contract and does not initiate any remedy for it or takes effective steps for its remedy or Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in their behalf by the NCDIR's Engineer, the NCDIR's Engineer, without prejudice to any other right or remedy against the bidder which have either accrued or accrue thereafter, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the bidder
41. The tender submitted on behalf of a firm shall be signed by all the partners/ directors of the firm or by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract. Otherwise the NCDIR may reject the tender.
42. NCDIR reserves the right to omit any item or items or part thereof for which contractor shall not claim any compensation whatsoever.
43. **The contractor will arrange water and electricity for completing the work from his sources. In case water and electricity are already available at the site, the same will be provided by the NCDIR, Bengaluru and consumption basis. The amount will be deducted from the bill on actual.**
44. The rates quoted in the tenderer shall include all charges of scaffolding, lift, any tools and plants, railway, freight, labor conditions and any other charges or expenditure for carrying out the work.
45. The bidder shall supply materials at site with manufacturers test certificate and challan as desired by the ARCHITECT and NCDIR. Successful bidder shall submit a letter with list of makes that is to be incorporated in the work. The same shall be got approved by the NCDIR before incorporation in the work.
46. All materials brought at site shall be got approved by the ARCHITECT before being used. If rejected, the same shall be removed immediately. The material of only approved make shall be brought at site.

47. The earnest money deposit of unsuccessful tenderers will be returned within 30 days from the date of opening of tenders.
48. The bidder shall depute their own security staff for watch and ward of their materials supplied/ installed at site till the final handing over of the complete work and temporary lockable shed/Almirah etc. shall be arranged by bidder at his own risk and cost. No accommodation/ staff/ lockable space will be provided by Bank under any circumstances.
49. All erasures and alterations made must be attested with initials of tenderers filling the tender. Overwriting of figures is not permitted.
50. No escalation in any form either of cost/materials/labours or any taxes shall be payable by the Bank during the contract period.
51. The bidder shall be solely responsible for any accident/medical/health related liability/compensation for the personnel deployed by it at NCDIR. The NCDIR shall have no liability in this regard. The personnel employed by the bidder will not claim any right to become the employees of NCDIR and there will be no Employee and Employer relationship between the personnel engaged by the bidder and NCDIR.
52. On completion of all work, bidder shall remove all surplus materials & leave the site in a broom clean condition, failing which the same shall be done at bidder's risk & cost. Bidder shall be responsible for disposing of the old dismantled waste materials away from the campus. The disposal of such materials shall be done immediately after completion of work at own risk & cost.
53. Non tendered/extra work if asked to be done by the contractor, only on written instructions/order from NCDIR. The time schedule will not change.
54. Successful Bidder shall produce all the invoices for the incorporated material in the work. The final bill shall be enclosed with all the photocopies of invoices.
55. The rates quoted by bidders should be realistic and workable for each and every item. Quoting unrealistic/unreasonable lower or higher price will be treated as non-responsive bid and will not be considered for further evaluation. The decision of NCDIR shall be final in this regard.
56. The bidder shall ensure compliance of all statutory laws & bye laws of the central Govt./ state Govt./Municipal authorities related to the employment of their staff and all obligations under Minimum Wage Act, Workman Compensation Act, Provident Fund & Miscellaneous Provision Act, Bonus Act, Contract Labour Act 1970 & other legislative enactment applicable etc. NCDIR will not be responsible for such purposes in anyway.
57. Any claim, dispute or difference arising out of or in connection with this agreement and which cannot be settled by mutual consultations, shall be referred to sole Arbitration or an Arbitrator to be appointed by NCDIR, Bengaluru. The award of the Arbitrator shall be

final and binding between the parties as per the terms and conditions of the Agreement to be executed on award of contract. The Arbitrator proceeding shall be governed by the Arbitration and Conciliation Act 1996 and shall be conducted in Pune. The agreement is subject to the jurisdiction of the courts at Bengaluru.

58. The successful tenderer is bound to carry out entire work **within the period stipulated** in the appendix. The tenderer will have to pay liquidated damages for non- completion of job within stipulated period at the rate of Rs 500/- per day after expiry of period of completion subject to maximum of 10% of the contract value.
59. The successful tenderer is bound to carry out items of work necessary for completion of job even though the same are not included in the schedule of quantity. Rates of extra items will be derived from the tender. In case the rates do not exist in the tender and extra item is not similar to the tender item, then the rates will be worked out on actual cost of material and labor, any other expenditure for completing that work plus 10% towards contractor's profit and overheads.
60. The contractor must co-operate with other contractors appointed by the NCDIR so the entire work shall proceed smoothly with least possible delay and to satisfaction of the NCDIR.
61. The contractor shall acquaint himself with the site conditions making his own arrangement for storing of material at site lift cartage etc.
62. The contractor shall make adequate arrangements for watch and ward of material and shall ensure the safety, breakage and any theft of material fixed or unfixed by him or other sub-contractors.
63. The contractor will take necessary precautions for carrying out the work avoiding any damage to structure/decorative parts of the property. The contractor will rectify any damages done at his cost.
64. Electrical, and Sanitary works will be carried out as per NCDIR's standard drawings/specifications and to the entire satisfaction of the NCDIR.
65. The NCDIR may delay the progress of work without in any way vitiating the contract and grant extension of time for the commencement/completion of contract as it may think proper and sufficient in consequence of such delay and the contractor shall not make claim, compensation or damages in relation thereof.
66. The contractor will not execute any extra item without NCDIR's permission in writing.
67. The quantities mentioned in the schedule of quantities are approximate. Payment will be made on the actual work done by the contractor. However, the contractor should not deviate the quantity without Bank's permission. Conditional tenders quoted by Contractor is liable to be rejected.

68. The NCDIR has a right to alter the nature of work and to add or omit any items of work or to have the option of the same carried out departmentally or otherwise and such alternations or variations shall be carried out without prejudices to the contract.
69. Contractor must inform in writing to the architect before executing any work that is not covered in tender or any quantities of the tendered item that are increasing while executing the work. Prior permission from NCDIR shall be obtained before executing any such item.
70. I/ We hereby declare that I/We have accept/read and understood the above instructions for the guidance of the tenderer.

Date :

Signature of the tenderer

Place :

4. INSTRUCTION TO THE BIDDERS:-

The tender shall be submitted in accordance with these instructions and any tender not in conformity with the instructions as under is liable to be rejected. These instructions shall form the part of the tender and contract.

1. Submission of Bids:

Only physical bids received by NCDIR, Bengaluru office will be considered for opening. Bids sent through fax or email will not be considered.

The tender should be submitted in a sealed cover in two parts as under

- a) **Technical Bid:** Envelope should be super-scribed as "Technical bid for voice, data and UPS connectivity with electrical cabling work".
- b) **Financial Bid:** The second envelope should be super-scribed as "Financial bid for Purchase of components".
2. Both the above parts should be submitted in Tender method clearly mentioned as "Tender for voice, data and UPS connectivity with electrical cabling work to National Centre for Disease Informatics and Research, Bengaluru-562110". The bidder should give their name & address.
3. Any proposal received by NCDIR after the date and time specified in the tender shall be rejected.
4. NCDIR shall not be responsible for any postal delay or non-receipt/non-delivery of the documents. No further correspondence on the subject will be entertained.

5. Any default by the bidder in respect of the tender terms & conditions will lead to rejection of the bid.
6. NCDIR reserves the right to reject any or all proposals without assigning any reasons thereof.
7. The bids will be opened in the presence of the bidders or their authorized representatives who desire to be present on the appropriate date. The bidder's representatives who are present shall sign an attendance sheet. Letter of authorization shall be submitted by the bidders before they are allowed to participate in bid.
8. A pre bid meeting will be held on 27.09.2019 at 2:30 PM.
9. The bids submitted shall remain valid for a period of 180 days from the date of opening the technical bid.
10. If the date fixed for opening of bids is declared a holiday by the authority, the revised date of opening will be the next working day / revised date will be fixed.
11. The Committee constituted by the Director NCDIR shall have the right to verify the particulars furnished by the bidder independently. Those technically qualified bids will only be considered for price evaluation (Financial bid). Price should not be quoted with technical bid; otherwise the tender will be rejected without any correspondence. Decision of the Director, NCDIR Bengaluru on the eligibility for qualifying technical bids shall be final and no representation shall be considered in this regard.
12. All the communication with respect to the tender shall be addressed to:

The Director,
National Centre for Disease Informatics and Research (ICMR)
Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli
Off N.H. -7, Adjacent to Trumpet Flyover of BIAL
Kannamangala Post, Bengaluru – 562 110

13. In the event of any dispute the legal matter shall be subject to the jurisdiction of Bengaluru Court only.
14. On receipt of the approval from ICMR Hqs. New Delhi, the purchase / work order will be issued to the successful bidder.

5. TECHNICAL BID:

Technical Bid must contain the following,

1. Copy of Certificate of incorporation / Certificate of Registration of the bidder.
2. **Technical Bid (Annexure- I):** Duly filled in and signed on the letter head of the company.

3. **Proof of Experience (Annexure – III(a)):** Relevant Experience of the bidder in the field of providing voice, data and UPS connectivity with electrical cabling work to Govt. /PSU organizations. (Documentary proofs like work order/contract agreement/invoices etc are required for ascertaining bidder's work experience).
4. **Satisfactory Performance Certificate (Annexure – III(b)):** Copy of satisfactory Performance certificate towards executing at least two similar contracts of same nature and value.
5. **Vendor/Contractor/Supplier Details (Annexure – IV):** The Bidders shall submit the copy of details mentioned in Annexure - IV.
6. Detailed approach and Methodology for carrying out the task. (Substantiate with the pictorial diagram)
7. **Undertaking from Bidders (Annexure – V)**
8. **Tender Fee & Earned Money Deposit Payment Particulars (Annexure – VI)**

(i) Tender Fee of ₹ 500/-

The cost of tender document is ₹500/- (Rupees five hundred only) (Non - refundable). The tender document can be obtained by paying the fees through Demand Draft / Bankers Cheque drawn in favour of “The Director, NCDIR payable at Bengaluru”. The cost of tender document shall be attached with Technical Bid in case the tender document is downloaded from the website. The Tender Document is not transferable to any other bidder.

(ii) Earnest Money Deposit (EMD) of ₹ 1,50,000/-

- a. The units registered with Central Purchase Organization (DGS&D), National Small Industries Corporation (NSIC), Micro and Small Enterprises (MSEs) as defines in MSE Procurement policy issued by Dept. of Micro, Small and Medium Enterprises or the concerned Ministry or Department shall be exempted from the payment of Earnest Money as defined under Rule 170 of General Financial Rules (GFR), 2017. In such case, copy of the certificate showing registration with the above mentioned institutions to be enclosed along with the bid.
- b. In case the unit is not covered as above, it shall submit the offer along with the Earnest Money Deposit (EMD) for ₹ 1,50,000 /- (2 ½ % of the estimated cost).

An Earnest Money Deposit of ₹ 1,50,000/- (Rupees One lakh fifty thousand only) in the form of demand draft drawn in favour of Director, NCDIR Bengaluru may be submitted, failing which their bids will not be considered valid. The amount will be refunded to unsuccessful bidder without any interest after completion of the tender process. The EMD should remain valid for a period of 45 days beyond the final tender validity period.

Note: The EMD will be forfeited in following cases:

- a) If the bidder fails to accept the order based on his/her offer (bid) and within the prescribed time.
 - b) If the bidder fails to supply the material with technical specifications in compliance with the specification as mentioned in Annexure -I.
 - c) If the bidder delays supply beyond a reasonable time resulting in disruption of NCDIR works.
9. **Non-Blacklisting Declaration (Annexure – VIII):** A self-certified letter by the authorized signatory of the bidder stating that the bidder is not blacklisted or debarred from tendering by the Central Government/State Government/Other Government bodies or under a declaration of ineligibility for corrupt or fraudulent practices as on the last date for submission of the bid.
10. **Turn over Details (Annexure – IX):** A copy of the bidder's audited profit and loss account/balance sheet/annual report for at least last two financial years.
11. A copy of the tender document duly signed on each page by the authorized signatory for endorsing the compliance to all clauses of tender by the bidder.
12. All other relevant document required as evidence of meeting technical evaluation criteria and their proposal criteria.

6. FINANCIAL BID:

The bidder must give Financial Bid as per the price bid format given in **Financial Bid (Annexure-II)**. The bidders are also mandatorily required to give details for arriving at each of the figure. The details of taxes wherever applicable also be mentioned.

7. EVALUATION PROCEDURE:

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

- (i) The assessment of bidders meeting the eligibility criteria.
- (ii) The assessment of technical capability of bidder to carry out desired scope of work.
- (iii) The assessment of the capability of bidder to carry out desired scope of work in stipulated time as assessed on the basis of carrying out past works in preceding three years.
- (iv) The Financial/ Price Bids of only those bidders will be opened whose bids have been technically found suitable.

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

8. PERIOD OF CONTRACT:

Under normal circumstances the contract shall be valid for a period of one-year from date of issue of purchase work order. However, the payment will be made as per actual and as defined under the Para 9 (Payment Terms).

9. PAYMENT TERMS:

- (i) Bidders should strictly quote the prices as per **Financial Bid (Annexure-II)**.
- (ii) Payment will be made on quarterly basis on submission of invoice with requisite details of payments being claimed.
- (iii) No advance payment will be made.
- (iv) The payment will be made through NEFT by NCDIR to the bank account as mentioned in the bank mandate. The bidder shall submit the documents which shall clearly indicate that the Purchase of Internet Leased Line are done and the said document shall be duly acknowledged by the Administration of NCDIR.

10. DELIVERY PERIOD:

Successful bidder will be required to deliver the services as per scope of work within one week from the date of signing the contract agreement.

11. THE EMD MAY BE FORFEITED:

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

(Or)

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

12. PENALTY CLAUSE:

- (a) In case of default in performance on the part of the Agency, NCDIR shall decide the penalty to be imposed for such default considering the quantum and other related factors which shall be deducted from the payments that may become due to the Agency.
- (b) In case the agency fails to carry out the contract to its logical conclusion, delays its performance or poor performance to the extent making the whole exercise futile, the NCDIR shall be at liberty to forfeit the Bank Guarantee and get the amount credited to NCDIR's accounts.

13. VALIDITY OF TENDER:

- a) The tender shall be valid for a period of one year from the date of opening of the tender.
- b) Bidder for any reason whatsoever withdraws the tender after it is accepted or becomes unable or fails to execute the orders within stipulated delivery period, NCDIR shall be at liberty to cancel the order forthwith and the EMD of the tender in such a case will be forfeited by the NCDIR.
- c) No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till the successful completion of voice, data and UPS connectivity with electrical cabling work.

14. OFFERS READY STOCK / SUBJECT TO PRIOR SALE:

- a) Offers from ready stock are preferred. In case the offers are subject to prior orders, the Bidders shall indicate the period within which the ordered quantity will be supplied. The Bidders shall note that in case Bidder fails to supply within the period of delivery indicated in the said tender, penalty at the rate of 1% of value of the order, per week of delay subject to maximum of 20% of the order value will be levied.
- b) The successful Bidder shall, within 5 working days from the date of receipt of communication of acceptance of quotes from NCDIR shall intimate his acceptance of the order. The successful Bidder shall complete supplies strictly as per the accepted delivery period.

15. PRICE APPLICABILITY:

The price shall be firm and shall include all applicable taxes and charges. Any variation in the duties, levies etc. during the period of services shall be charged to the bidder account. The rates quoted shall be all inclusive, with the delivery, up to destination i.e. NCDIR, Bengaluru.

16. INSPECTION AND TESTS

- a) The NCDIR or its representatives or ultimate client shall have the right to inspect and test the goods for their conformity to the specifications. The NCDIR may also appoint an agency for this purpose. The technical specifications shall specify what inspection and tests the NCDIR requires and where they are to be conducted, Where the NCDIR decides to conduct such tests on the premises of the Contractor, all reasonable facilities and assistance like testing instruments and other test gadgets including access to the drawings and production data shall be furnished to the Inspector deputed by NCDIR free of cost. In case the tested goods fail to conform to the specifications, the Inspector may reject them and the Contractor shall either replace the rejected goods or make alteration necessary to meet the specifications requirements free of cost to NCDIR.
- b) Notwithstanding the pre-supply tests and inspections, the material on receipt in the NCDIR premises shall also be tested and if any material or part thereof is found defective, the same shall be replaced free of cost to the NCDIR. If any material before it is taken over is found defective or fails to fulfil the requirements of the contract, the Inspector shall give the Contractor notice setting forth details of such defects or failures and the Contractor shall make the material good or alter the same to make it comply with the requirements of the contract and in any case within a period not exceeding 1 month of the initial report. These replacements shall be made by the Contractor, free of the all charges, at the site(s).

18. SERVICE FACILITY:

In order to ensure proper and timely after sales service, contact details with addresses of service centre nearest to Bengaluru shall be provided along with the bid.

19. TAXES:

Contractors shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods at NCDIR.

20. SUB-LETTING:

The Bidder shall not assign or transfer and sub-contract its interest/ obligations under the contract without prior written permission of the Purchaser.

21. ARBITRATION

- a) In the event of any dispute arising between NCDIR and the Contractor in any matter covered by this contract or arising directly or indirectly there from or connected or concerned with the said contract in any manner of the implementation of any terms and conditions of the said contract, the matter shall be referred to 'The Director, National Centre for Disease Informatics and Research (ICMR), Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli, Off N.H. -7, Adjacent to Trumpet Flyover of BIAL,



Kannamangala Post, Bengaluru –562 110 (India), who may himself act as sole arbitrator or may name as sole arbitrator an officer of NCDIR notwithstanding the fact that such officer has been directly or indirectly associated with this contract and the provisions of the Indian Arbitration Conciliation Act, 1996 shall apply to such arbitration. The contractor expressly agrees that the arbitration proceedings shall be held in Bangalore.

- b) The proceedings of arbitration shall be in English language:
- c) In case any contractor wants to take the dispute to a court of law after the arbitration award as aforesaid, it is clearly understood that only courts in Bangalore shall have the Jurisdiction.

22. RISK PURCHASE

In the event of Contractor's failure to execute the contract to the satisfaction of the NCDIR, the NCDIR reserves the right:

- a) To reject any part of the Contract executed and withhold payment for such portion of the Contract till such time the defects are rectified to the satisfaction of NCDIR.
- b) To terminate the Contract by giving 2 weeks' notice in writing without assigning any reason and to get the Contract executed by other agency at the risk and cost of the Contractor.

23. APPLICABLE LAWS

This contract shall be interpreted, construed and governed by the laws of the Republic of India and the parties hereby submit to the exclusive jurisdiction of the Court at Bangalore and to all Courts at Bangalore having jurisdiction in appeal there from. Any dispute in relation to the contract shall be submitted to the appropriate Court of the Republic of India for determination. The parties to the contract shall continue to fulfil their respective obligations under the contract during the currency of the contract pending the final decision of the Court.

24. TERMINATION FOR DEFAULT

- a) The NCDIR, may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the Contractor, terminate this contract in whole or in part.
 - 1) If the Contractor fails to perform any other obligation(s) under the contract;
 - 2) If the Contractor, in the judgment of the NCDIR has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
 - 3) If the Contractor, in either of the above circumstances, does not remedy his failure within a period of 12 hours/month (or such longer period as the NCDIR may authorize in writing) after receipt of the default notice from the Purchaser.

- 4) On a notice period of 60 days.

For the purpose of this Clause:

- 1) “Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract
- 2) “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition”.
- c) In the event the NCDIR terminates the contract in whole or in part pursuant to above paragraph the NCDIR may procure, upon such terms and in such manner as it deems appropriate, goods similar to those undelivered and the Contractor shall be liable to the Purchaser for any excess cost for such similar goods. However, the Contractor shall continue the performance of the contract to the extent not terminated.

25. PERFORMANCE SECURITY

- a) The successful bidder shall deposit an amount equal to 10% of the approved tender cost within 2 weeks of conveying NCDIR’s intention for accepting the bid as Performance Security.
- b) Performance Security shall be submitted in the form of Bank Guarantee issued by a scheduled Bank and the Proforma provided in Performance Security Bond Form (**Annexure VII**) of the bid document or DD/Banker’s cheque drawn in favour of Director, NCDIR, Bengaluru
- c) Performance Security will be discharged after completion of contractor’s performance obligations under the contract.

26. TERMINATION FOR INSOLVENCY

The NCDIR may at any time terminate the Contract by giving written notice to the Contractor, without compensation to the contractor if the contractor becomes bankrupt or otherwise insolvent as declared by the competent court provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. ADD ON/REPEAT ORDER

NCDIR, reserves the right to place Add on/Repeat order for additional quantity to 100% of the original quantity at the same rate and terms & conditions of the purchase order within one year from the date of issue of purchase order.

Incorporation of the following 3 additional clauses in the tender for work of Voice, data and UPS connectivity with electrical wiring cabling at NCDIR may be considered.

28. The defect liability shall be for a period of 1 year from the date of virtual completion of the work. The successful tenderer shall be responsible for rectification of the defects in the work of Voice, data and UPS connectivity with electrical wiring cabling work for Nirmal Bhavan, ICMR Complex, Bengaluru, at the site for a period of 1 year from the date of virtual completion of the job. The successful tenderer shall rectify the defects/defective parts within the specified time to the complete satisfaction of the competent authority of the NCDIR, failing which the NCDIR shall have the right to rectify the defects at the successful tenderers own risk and cost which will be adjusted from the security deposit. Decision of the NCDIR in this regard shall be final and binding on the successful tenderer. The security deposit shall be refundable to the successful tenderer on completion of the defect liability period of 1 year from the virtual date of completion of the work without any interest and after deduction of the cost of rectification, if any carried by the NCDIR, as indicated hereinabove.
29. The non-interest bearing Security Deposit of 10% of the tender value shall be deducted from the bill(s) of the successful tenderer to cover the defect liability period of 1 year and in lieu, the successful bidder may furnish a Bank Guarantee to cover the defect liability period of 1 year from the date of virtual completion of work as certified by the authority of NCDIR.
30. Bad workmanship will not be accepted and should be rectified at the site by the successful tenderer(s) at its own cost as per specifications and directions given by the authorized representatives of the NCDIR. The decision of the competent authority of the NCDIR as to items of bad workmanship and proper replacement/rectification shall be final and binding on the successful tenderer.

ANNEXURE – I
TECHNICAL BID

(To be submitted On Company Letter Head)

To,
Director,
National Centre for Disease Informatics and Research (NCDIR),
Bengaluru 562110

Subject: Submission of proposal in response to the Tender for providing voice, data and UPS connectivity with electrical cabling work to NCDIR, Bengaluru.

Dear Sir,

1. Having examined the tender document, we the undersigned, herewith submit our proposal in response to your tender Notification for providing voice, data and UPS connectivity with electrical cabling work to NCDIR, Bengaluru in full conformity with the said tender document. Our contact persons are:

Name:

Title:

Company Name & Address:

Phone/ Mobile/ Fax/ Email:

2. We have read the provision of the tender document and confirm that these are acceptable to us. We further declare that additional conditions, variations, deviations, if any, found in our proposal shall not be given effect to.

3. We agree to abide by this proposal, consisting of this letter, the detailed response to the tender and all attachments, for a period of one year from the date of opening of the technical bids as stipulated in the tender document.

4. We would like to declare that we are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this assignment and we are not under a declaration of ineligibility for corrupt or fraudulent practices.

Date:

(Signature)

Duly authorised to sign the Bid Response for and
on behalf of (Name and Address of Company)

Seal/Stamp:



Sl. No	Active Components Technical specifications for Wired Ethernet switching equipment	Qty
1.	<p>Each core switch with the following functionality:</p> <ul style="list-style-type: none"> • Should be modular 16 ports (minimum) of 10G SFP+ 1U switch capable of core Ethernet switching function on the NCDIR center LAN and 15 ports populated with 10G SFP+ LC LR module (Single Mode). • Should support both IPv4 & Ipv6, static and dynamic routing protocols (RIPng, OSPFv3, VRRP) from Day 1. • The Switch should provide wirespeed performance with non-blocking distributed forwarding architecture from day 1 • The Switch should support capability to combine the two switches offered into a single logical virtual switching system for active-active data forwarding. Suitable hardware and software to configure this feature should be offered as a part of the package. The switch should support Stacking. Stacking ports to be independent of uplink ports. The stacking speed should be preferably equal or more than aggregated switching bandwidth. • Should have Redundant, hot swappable power supply and fans. Failure of one power supply should not cause failure or performance degradation. • Should support SDN compatibility • Should support IP Unicast routing protocols and be upgradable to BGP • Should support multicast routing protocols • Should be maintainable using SSH2 with encryption and authentication • The Switch should support 200K MAC addresses and minimum 1024 VLANs • Should support minimum of 100K IPv4 entries. • Should support jumbo frames. • A full set of associated cables and accessories as required to complete the solution must be provided with the switch 	2 nos



2.	<p>Distribution switch with the following specifications (24 port without PoE):</p> <ul style="list-style-type: none"> • Switch should provide Wire-Speed performance with Non-Blocking architecture. Switch should be 1U • Switch should have 24 nos 10/100/1000 RJ45 ports • The switch should support minimum of 2 nos of physical 10Gbps SFP+ ports with 1 port populated with 10G SFP+ LC LR module (Single Mode) • The switch should be capable of operating as a stack of upto 8 switches, the entire stack should provide wirespeed performance. The switch should support Stacking. Stacking ports to be independent of uplink ports. The stacking speed should preferably be equal or more than aggregated switching bandwidth. • The Switch should support 30K MAC addresses and minimum 1024 VLANs • Should support minimum of 30K IPv4 entries and support IPv4 & IPv6 dynamic routing protocols like RIPng, OSPFv3 etc • The switch should support SDN compatibility • Associated stacking cables, power cables with 3 PIN socket and accessories as required to complete the solution • Redundant power supply 	1nos
3.	<p>Distribution switch with the following specifications (48 port without PoE):</p> <ul style="list-style-type: none"> • Switch should provide Wire-Speed performance with Non-Blocking architecture. Switch should be 1U • Switch should have 48 nos of 10/100/1000 RJ45 ports • The switch should support minimum of 2 nos of physical 10Gbps SFP+ ports with 1 port populated with 10G SFP+ LC LR module (Single Mode) • The switch should be capable of operating as a stack of upto 8 switches, the entire stack should provide wirespeed performance. The switch should support Stacking. Stacking ports to be independent of uplink ports. The stacking speed should preferably be equal or more than aggregated switching bandwidth. • The Switch should support 30K MAC addresses and minimum 1024 VLANs 	8nos



	<ul style="list-style-type: none"> • Should support minimum of 30K IPv4 entries and support IPv4 & IPv6 dynamic routing protocols like RIPng, OSPFv3 etc • The switch should support SDN compatibility • Associated stacking cables, power cables with 3 PIN socket and accessories as required to complete the solution • Redundant power supply 	
4.	<p>Distribution switch with the following specifications (24 port PoE/PoE+):</p> <ul style="list-style-type: none"> • Switch should provide Wire-Speed performance with Non-Blocking architecture. Switch should be 1U • Switch should have 24 nos of 10/100/1000 RJ45 ports • Switch should be compliant with IEEE 802.3at • The switch should support minimum of 2 nos of physical 10Gbps SFP+ ports with 1 port populated with 10G SFP+ LC LR module (Single Mode) • The Switch should support 30K MAC addresses and minimum 1024 VLANs • Should support minimum of 30K IPv4 entries and support IPv4 & IPv6 dynamic routing protocols like RIPng, OSPFv3 etc., • The switch should support SDN compatibility • Associated cables, power cables with 3 PIN socket and accessories as required to complete the solution • Redundant power supply 	6nos
5.	<p>Wireless networking with access controller</p> <p>The proposed WLAN solution must support a distributed forwarding/local breakout architecture in which only control traffic is tunnelled to the centralized controller; all client data traffic is forwarded directly towards destination via the clients default gateway.</p> <ul style="list-style-type: none"> ○ On a per WLAN (SSID) basis there must be an option to tunnel traffic to the controller either un-encrypted or encrypted format. ○ Controller unit should be scalable up to minimum 50 Access Points (connected via cabled LAN). Seamless roaming facility for connected clients when they move from one Access Points to another should be available 	Bidder has to visit before Quoting as per the site condition



- Fully redundant configuration of Controller with Active- Active functioning wherein both controllers are able to service Access points simultaneously and also share license pool (if applicable).
- Controller should provide air-time fairness between clients connected at different speeds – slower clients should not be starved by the faster clients and faster clients should not adversely affected by slower clients.
- In event the controller fails the managed Access Points should continue to provide service to connected clients for a considerable period of time.
- Controller should support following for security & Authentication: - WIRELESS SECURITY: WEP, WPA-TKIP, WPA2-AES, 802.11i, AUTHENTICATION: 802.1X, local database, External AAA servers: Active Directory, RADIUS, LDAPv3, TACACS
- POE injectors are required in locations where the POE switches are not available.
- Controller to support Bring Your Own Device (BYOD) features such as Simple on-boarding, complete device visibility; control of device types and ACLs based on device types; Vendor to specify if any of these features requires additional purchase (licensing) of any other hardware/software.
- Support for IPv4 & IPv6 support from Day 1.
- The System should support seamless direct integration with industry standard directory services like LDAP v3 and Microsoft Active Directory without any use of additional Hardware/software.
- The controller should be able to present a customizable dashboard with information on the status of the WLAN network.
- In order to have good visibility on the utilization of an AP, the controller should be able to provide the following statistics for each AP: - List of all the SSIDs deployed on each of the radio of the AP, Data sent/received, Statistics on transmitted packets
- System must support a mechanism where 5 Ghz clients are encouraged to connect over 5Ghz Radio to provide better load balancing among 2.4Ghz and 5Ghz Radios.
- Controller to support Guest Access feature, i.e., secure time-bound internet access to visitors/guests through a randomly generated access key with validation by a employee of the institution. Key communication to visitor to be either through a print-out or email.
- System should be able to send Guest access password directly through Email to the



	<p>user. Bidder to provide complete specifications of any external components required for this functionality.</p> <ul style="list-style-type: none"> ○ Controller should be able to handle a minimum of 1000 concurrent users. ○ Virtual controller with failover and necessary hardware, software has to be provided by the vendor. ○ 2 x 10GSFP+ with patch cord to connect to core switch ○ Sufficient number of licenses for the controller based on the heat map provided + 20% extra licence. ○ Machine to be minimum with RAID 1. ○ This Access Point should have minimum capability of 802.11 b/g/n/ac with 1 POE (or POE+) Port 100/1000Mb; additional redundant Ethernet port/ports, if any should be indicated and it should have the ability to club both, providing double the bandwidth. AP should have the necessary wall/ceiling mounting apparatus/brackets. ○ Access Points should be able to power up using standard POE or POE+ (as required) input and operate in full MIMO mode without any loss of features/capabilities. It should also have option of being powered through AC-DC power Adaptor. ○ AP should have Dual Radios to support 2.4 GHz & 5Ghz concurrent users. AP must support minimum 4x4:4 MIMO. ○ AP should be able to handle a minimum of 128 concurrent users; Maximum client handling capability to be indicated. ○ Maximum and minimum transmission power for 2.4Ghz and 5Ghz to be indicated. ○ AP should have Receive Sensitivity of -95dBm or better ○ SSID support: 4 BSSIDs minimum per radio; Max number to be indicated. ○ The access point should support 802.1q VLAN tagging ○ Antenna: Integrated/external Omni-directional / directional patterns, with min 3 dBi Gain for 2.4Ghz and 5Ghz both all internal to the AP. ○ Typical Power consumption (in Watts) to be indicated. ○ Should support the operating temp 0° to 45° C and Humidity: 10 to 95% non-condensing. ○ Access points should preferably have integrated tamper- proof mechanisms. Please provide details. 	
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Note: All the above equipment's should be capable of 802.1X authentication using an external AAA server, RADIUS, LDAPv3, TACACS. Configuration of the same should be done during installation.

Sl.no	Passive Components	Qty
1	48 port LIU Cassette type (preferred) populated	1
2	12 port LIU Cassette type (preferred) populated	4
3	6 port LIU Cassette type (preferred) populated	3
4	18 port LIU Cassette type (preferred) populated	1
5	48 port patch panel fully loaded- RJ 45	1
6	24 port patch panel fully loaded- RJ 45	5
7	24 port patch panel fully loaded- RJ 11	8
8	30 pair Armoured telephone cable (cost to be quoted per meter)	Approx 100m (billing as per actuals)
9	10 pair Armoured telephone cable (cost to be quoted per meter)	Approx 600m (billing as per actuals)
10	6 U racks wall mounted with fans and spike buster	4
11	12 U racks wall mounted with fans and spike buster	2
12	RJ-45 I/O points (cost to be quoted per unit)	Approx. 90nos (billing as per actuals)
13	RJ-11 I/O points (cost to be quoted per unit)	Approx. 90nos (billing as per actuals)
14	Cat 6 Cables (cost to be quoted per meter)	Approx. 8000m (billing as per actuals)
15	10G fibre single mode to all identified locations (refer work plan diagram No.1 & 2) (cost to be quoted per meter)	Approx. 8000m (billing as per actuals)
16	Fibre patch cords 3mts (SC-LC) Single Mode (cost to be quoted per Unit)	Approx. 70nos (billing as per actuals)
17	Pigtails (SC-SC) Single Mode (cost to be quoted per Unit)	Approx. 10nos (billing as per actuals)
18	Dual port Face Plates along with back boxes (cost to be quoted per Unit)	Approx. 90nos (billing as per actuals)
19	PVC Casing 2 inch (cost to be quoted per meter)	Approx. 500m (billing as per actuals)
20	PVC Casing 1 inch (cost to be quoted per meter)	Approx. 500m (billing as per actuals)
21	Metal Flexible, PVC Flexible (cost to be quoted per meter)	Approx. 20m (billing as per actuals)

	<p>Note:</p> <ul style="list-style-type: none"> • Splicing and termination to the LIU's are part of the scope of the work. • Numbering Printed Ferruling • Tagging • Testing • Laying of fiber inside the 2 inches' High-density polyethylene (HDPE) pipe and latching to the compound wall / digging. • Lumpsum cost for laying down cables, miscellaneous, installing i/o ports etc., <p>Any other additional materials required as per the site condition to complete the project should be included in the scope of the project (As per the actuals)</p>
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Electrical Components

Sl. No	Electrical components	Qty
1.	<p>UPS cum Batteries</p> <ul style="list-style-type: none"> • Capacity 1KVA Online UPS with built in SMF batteries • Backup 30Mins at full load • Input Voltage 200-250 V AC, single phase • Output Single phase, 220V • Frequency 50 HZ • Input frequency 50 ± 5 Hz • Output power factor Unity • THD >3% • Voltage stability 1% at linear load • 3% at non-linear load • Short Circuit Protection Soft shut down should occur without blowing any fuse • Efficiency More than 93% • Frequency stability ± 1 Hz • Indicators Over Temperature – Required • Load On Battery – Required • Battery On Charge – Required • Battery Low – Required • Mains – On Required • DC – On Required • Inverter – On Required • Inverter – Tripped • Output Over Voltage • Output Low <p>Warranty 3 years total system</p>	4nos

2	<p>Electrical wiring for ground floor (room no.3 & 4)</p> <ul style="list-style-type: none"> Phase-1, Two Nos of 15 kVA UPS will be installed and configured in N+1 redundancy and will be in client scope. Phase-2, 1 no of additional 15kVA UPS will be installed with the existing 2 nos of 15kVA UPS and will be configured with N+1 redundancy and will be in client scope <p>The Scope description for the Vendor/Bidder is as follows,</p> <ul style="list-style-type: none"> Supply and Installation of Main incoming breaker from the Building LT panel. Supply and Laying of cable from main incoming panel to UPS. Supply and installation of Common Bus Bar system for 3Nos 15kVA UPS. Supply and Laying of cable from UPS output breaker to distribution Boards. Supply and installation of UPS power distribution boards with required breakers. Supply and Laying of cables from UPS distribution boards to the Workstations/Endpoints. <p>Note: All Necessary conduits and termination materials are to be considered as a part of Vendor/Bidder Scope.</p>	<p>Bidder has to visit before Quoting as per the site condition</p>
3	<p>Civil Floor Chipping and closure using vitrified flooring</p>	<p>Bidder has to visit before quote as per the site condition</p>

Mandatory Note:

Bidder has to visit the site and to estimate the Network/Voice cabling, electrical, civil, etc., items.

TECHNICAL BID (PART - II)

Name of the Tenderer : _____

Address: _____

Pin Code No.: _____

Tel. No.: _____

Mobile No.: _____

Fax No.: _____

Email.: _____

Status of the Company: _____

(Pls. Tick mark as applicable): Proprietor/Partnership/Company

Name of the Proprietor/Partners/ : _____

Directors of the company/firm

TECHNICAL BID (PART - III)

Sl. No.	Description of the company/firm	Proof requires Yes / No	Page No.
1	Name of the firm		
2	PAN Card No.		
3	VAT Reg. No./ Sale Tax No./ GST Registration No.		
4	Annual turn Over (Rs. 25 Lakhs)		
5	List of Clients		
6	Work Experience For providing 10 year experience in the sale and maintenance (Attached documentary proof in support of claim)		
7	Total number of Engineers working in the Organization		
8	Proof of having Service centre at Bengaluru		
9	Illustrated pamphlets containing all the Technical Details, Specification of the tendered item should be enclosed along with the tender.		
10	Whether EMD submitted or not		
11	Tender document cost should be enclosed along with technical bid in form of DD in case of downloaded from website	DD No: Date: Amount:	
12	Bidder should submit the AMC certificate		
	A declaration that the after sales service facilities as well as spare parts shall be made available at least for 5 years for each of the specific equipment / article quoted.		
	A declaration indicating willingness to provide AMC services at least for 3 years after the expiry of the warranty for each of the maintainable equipment quoted.		
13	Undertaking regarding black-listing by any department as per Annexure - VIII		
14	This tender document, the bidders are requested to sign on all the pages. The Technical bid & the Commercial bid should be sealed by the bidder in separate covers		

ANNEXURE - II
FINANCIAL BID

(To be submitted On Company Letter Head)

Reference No.

To,
Director,
National Centre for Disease Informatics and Research (NCDIR),
Bengaluru 562110

Dear Sir

With reference to the tender no. NCDIR/ICMR/311/2019 dated for "Providing voice, data and UPS connectivity with electrical cabling work to NCDIR, Bengaluru", we have carefully studied its scope of work and deliverables and based on these, we submit our best rates for carrying out the desired scope of work as below:

AFFIRMATION

We affirm that the total price given above represents the entire cost to complete the work in accordance with the scope of work and is inclusive of all expenses and incidentals etc. in particular, the price is also inclusive of cost of any special equipment required for design and delivery etc. and no claim will be made on account of any increase in expenses to be incurred during the validity of the work order.

Place:

(Signature of the Authorized Person):

Date:

(Name of the Authorized Signatory):

Designation:

Contact Details:

Sl. No	Description of work	Amount of work in Rs. Figure.	Amount of work in Rs. Words
	VOICE, DATA AND UPS CONNECTIVITY WITH ELECTRICAL CABLING WORK FOR NIRMAL BHAWAN- ICMR COMPLEX, BENGALURU		

Note- All the pages of the tender documents should be signed by the tenderer with stamp/seal.

Place-

Date-

Seal and Signature of Tenderer

ANNEXURE – III(a)
PROOF OF EXPERIENCE

Date:

To,
 Director,
 National Centre for Disease Informatics and Research (NCDIR),
 Bengaluru 562110

Sl.no	Name of the Organisation	Name of the contact person	Address	No. of years
1				
2				
3				
4				
5				
6				
7				
8				
9				

Important: Documentary Proof like work order/Agreement/Invoice should be enclosed for each organization mentioned above.

Signature of Bidder

Name: _____

ANNEXURE – III(b)
SATISFACTORY PERFORMANCE CERTIFICATE

Date:

To,
 Director,
 National Centre for Disease Informatics and Research (NCDIR),
 Bengaluru 562110

Sl.No	Name of the Organisation / Clients	Name of the Contact Persons & Number	Address
1			
2			
3			
4			
5			
6			
7			
8			
9			

Important: Copy of satisfactory performance certificate should be enclosed for all the firms mentioned above.

Signature of Bidder

Name: _____

ANNEXURE – IV

ON THE LETTERHEAD OF THE VENDOR/CONTRACTOR/SUPPLIER DETAILS

Date:

To
The Director,
National Centre for Disease Informatics and Research (NCDIR)
Bengaluru – 562 110

Dear Sir,

We hereby give our consent to accept the related payments of our claims/bills on NCDIR through Cheques or Internet based online E-Payments system at the sole discretion of NCDIR. Our Bank account details for the said purpose are as under:

<u>A. Vendor Details</u>	
1. Name (As per the Bank Records)	
2. Address	
3. PAN No.	
4. TIN No.	
5. GST No.	
6. Email ID	
7. Mobile Number	
<u>B. Particulars of Bank Account:</u>	
1. Bank Name	
2. Branch Name/Branch Code	
3. Branch Address	
4. 9 Digit MICR No. of Bank and Branch (As appearing on the cheque)	
5. Account Type (Saving/Cash credit/ Current)	
6. Account Number (as appearing on the cheque book)	
7. IFSC Code of the Branch (For RTGS)	
8. IFSC Code of the Branch (For NEFT)	

***(please attach a blank copy of a cancelled cheque/photocopy of a cancelled cheque issued by your Bank related to the above account number for verifying the accuracy of the 9 digit MICR code number.

I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected to all for reasons of incomplete or incorrect information, I would not hold the NCDIR responsible.

Date:

Signature/Seal of Firm

Phone No:

Certified that the particulars furnished above are correct as per our records

Date:

Signatory

Phone No:

Company's

Authorized

Encl: Photocopy of cheque duly cancelled and copy of Indian PAN Card

ANNEXURE – V

UNDERTAKING FROM BIDDERS

To
 The Director,
 National Centre for Disease Informatics and Research (NCDIR)
 Bengaluru – 562 110

Sir,

Nature of Services	Voice, Data and UPS Connectivity with electrical wiring cabling work for Nirmal Bhawan ICMR Complex, Bengaluru
--------------------	--

Having examined and pursued the tender documents,

I/Wedo hereby submit tender in prescribed formats for supply of Internet Leased Line to NCDIR, Bengaluru, completed in all respects in accordance with the conditions applicable.

If this tender is accepted, I/We agree to abide by and fulfil all the terms and conditions in the tender documents

I/We hereby distinctly and expressly declare and acknowledge that before submission of this tender, I/We have carefully read and followed the instructions and I/We have understood the existing system of supply in the NCDIR, including the scope and nature of duties expected from the Bidder.

I/We distinctly agree that I/We would hereafter make no claim or demand upon the NCDIR, Bengaluru based upon or arising out of any alleged misunderstanding or misconceptions or mistake on my/our part of the said stipulations, restrictions and conditions.

Any notice required to be served on me/us shall be sufficiently served on me/us by post (registered or ordinary) or courier or left at my/our address furnished herein. I/We fully understand the terms and conditions in the tender documents.

Date:

Name, signature & seal of the bidder

ANNEXURE – VI
TENDER FEE & EARNEST MONEY DEPOSIT PAYMENT PARTICULARS

Number of Demand Drafts enclosed:

Demand Draft particulars:

Sl.	D. D. No.	Date	Name of the Bank / Branch and Place	Amount
1.				
2.				
3.				

I / We, hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.

Date :
 Bidder

Name, Signature & Seal of the



ANNEXURE –VII
PERFORMANCE SECURITY BOND FORM

1. In consideration of National Centre for Disease Informatics and Research (ICMR) Bengaluru (here in after called the NCDIR Bengaluru) having agreed to exempt _____ (here in after called the said contractor(s) from the demand of security deposit/ of ₹. _____ on production of Bank Guarantee for ₹. _____ For the due fulfilment by the said contractors of the terms & conditions to be contained in an Agreement in connection with the contract for Purchase - supply, installation, testing, commissioning of Internet Leased Line for National Centre for Disease Informatics and Research (ICMR) Bengaluru. _____ we, (name of the Bank) _____ (herein after referred to as “the Bank”) at the request of _____ Contractor’s do hereby undertake to pay the NCDIR Bengaluru an amount of not exceeding _____, against any loss or damage caused to or suffered or would be caused to or suffered by the NCDIR Bengaluru reason of any breach by the said contractor’s of any of the terms & conditions contained in the said agreement.
2. We (Name of the Bank) _____ do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the NCDIR Bengaluru stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the NCDIR Bengaluru reason of breach by the said contractor’s of any of terms & conditions contained in the said agreement or by reason of the contractors failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee, where the decision of the NCDIR Bengaluru in these counts shall be final and binding on the Bank. However, our liability under this guarantee shall be restricted to an amount not exceeding ₹. _____.
3. We undertake to pay to the NCDIR Bengaluru any money so demanded notwithstanding any disputes raised by the contractor(s)/supplier(s) in any suit or proceeding pending before any court or tribunal relating thereto our liability under the present being absolute and equivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s)/ supplier(s) shall have no claim against us for making such payment.
4. We (Name of the bank) _____ further agree that the guarantee herein contained shall remain in full force and effect immediately for a period of one year from date herein and further agrees to extend the same from time to time (one year after) so that it shall continue to be enforceable till all the dues of the NCDIR Bengaluru, under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till NCDIR Bengaluru certifies that the terms &

conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges guarantee.

5. We further agree with the NCDIR Bengaluru that the NCDIR Bengaluru shall have the fullest liberty without our consent and without affecting in any manner our obligations here under to vary and of the terms & condition of said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time to time any of the powers exercisable by the NCDIR Bengaluru against the said any contractor(s) and to forbear or enforce any of the terms & conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, and or any omission on the part of the NCDIR Bengaluru or any indulgence by the NCDIR Bengaluru to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s)/ supplier(s).
7. This guarantee shall be irrevocable and the obligations of the Bank herein shall not be conditional to any prior notice by NCDIR Bengaluru.

Dated: _____
bank)

For
(Indicating the name of the

- Note:** 1) This guarantee should be issued on non-judicial stamped paper, stamped in accordance with the stamp act.
2) I hereby accept the terms and conditions mentioned in the above performance Security Bond form.

Date :
Bidder

Name, Signature & Seal of the

ANNEXURE – VIII
NON-BLACKLISTING DECLARATION

I/We having our office as mentioned below and declare that I/we have never been blacklisted by any State Government/Central Government or any State/Central PSU.

Signature :

Name :

Designation :

Name of the Agency:

Address of the Bidder:

Date :

Place :

ANNEXURE – IX
TURN OVER DETAILS

As per the tender eligibility criteria, The Service Provider must have a turnover of Rs. 25 Lakh, at least two of the last three Financial Years ending on 31.03.2019. These turnover details will have to be substantiated with the appropriate documentary evidences duly enclosed.

The last three years' sales turn-over details are furnished as follows.
Name of the Company / Firm:

Sl.No	Financial Year	Turnover (Rs. In lakh)
1	2015-16	
2	2016-17	
3	2017-18	

Important: Proof of the above sales turn-over details should be furnished in the form of Audited Annual Accounts of the bidder.

Date:

Company's Authorized Signatory

Schedule-B

To,
The Director,
National Centre for Disease Informatics and Research
(Indian Council of Medical Research)
Nirmal Bhawan-ICMR Complex (II Floor),
Poojanahalli, N.H-7, B. B. Road,
Kannamangala Post, Bengaluru-562 110 (India)

Dear Sir,

I/we visited the place of work (National Centre for Disease Informatics and Research, Bengaluru) on Date: _____. Having examined the drawings, specifications, designs and schedule of quantities relating to the works on specified in the memorandum herein, having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender.

I/we.....
hereby offer to execute the works specified in the said memorandum within the time specified at the rate mentioned in the attached schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in the conditions of tender, articles of agreement, schedule of quantities, general instructions to tenderer, special conditions of contract, general technical specifications and with such other materials and conditions as may be prescribed from time to time.

Date:

Place:

Name and address of the tenderer:

Signature of the tenderer