NIZAMS INSTITUTE OF MEDICAL SCIENCES

(A University Established Under State Act)

Panjagutta:: Hyderabad, Telangana

Open Competitive Bid (OCB)

For

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF PNEUMATIC TUBE SYSTEM WORKS WITH 7 YEARS COMPREHENSIVE MAINTENANCE AFTER COMPLETION OF DLP CONTRACT AT NIZAM'S INSTITUTE OF MEDICAL SCIENCES , PANJGUTTA, HYDERABAD

Tender Notice No.: Rc.No. Plng-II/14/2016/NTS Dt. -06-2017

INDEX

News Paper Advertisement

NIZAM'S INSTITUTE OF MEDICAL SCENCES
(A University established Under the State Act)
PANJAGUTTA :: HYDERABAD :: Telangana – 500 082

Rc.No. Plng-II/14/2016/NTS Dt. .06.2017

TENDER NOTIFICATION

Bids are invited from eligible firms for **SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF PNEUMATIC TUBE SYSTEM WORKS WITH 7 YEARS COMPREHENSIVE MAINTENANCE AFTER COMPLETION OF DLP CONTRACT AT NIZAM'S INSTITUTE OF MEDICAL SCIENCES , PANJGUTTA, HYDERABAD**

Download Tender Document from www.nims.edu.in. The last date for receipt of tenders is 31-07-2017 at 3pm.

Prospective bidders are advised to visit regularly the website for corrigendum/amendments etc., if any, will be notified on the above mentioned website and no separate advertisement will be given in newspapers.

Medical Superintendent.

Section A

Notice Inviting Tender/ Tender Call Notice

Nizam's Institute of Medical Sciences invites Tenders from interested bidders for the SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF PNEUMATIC TUBE SYSTEM WORKS WITH 7 YEARS COMPREHENSIVE MAINTENANCE AFTER COMPLETION OF DLP CONTRACT AT NIZAM'S INSTITUTE OF MEDICAL SCIENCES, PANJGUTTA, HYDERABAD. The validity of Tender is for **ONE YEAR**.

Time schedule of various tender related events:

Bid calling date	3-07-2017
Downloading of Bid document	5-07-2017
Pre-bid conference date/time/ Venue	15-07-2017,11.00 AM, Learning Center, NIMS
Last date/time for clarification	18-07-2017 05.00 PM
Bid closing date/time	31-07-2017, 03.00 PM
Bid opening date/time	31-07-2017, 03.30 PM
Tender/ Processing Fee	Rs.10,000/-
Contact person	The Medical Superintendent, Nizam's Institute of Medical Sciences. Panjagutta, Hyderabad – 500082, Telangana, INDIA Phone:040-23489040 Fax: Email:nimshl2@gmail.com
Reference No.	File No.

Firms interested in participation may please visit web site at www.nims.edu.in.

A. The solution, service or material required:

A.1. Supply, installation, Testing and commissioning of Pneumatic Tube System as detailed in Annexure 1

A.2. Scope of incidental services:

Furnishing of a detailed operations and maintenance manual for the supplied goods.

A.3. Warranty Period/ Defects Liability Period (DLP):

Warranty period services for numbers of years as indicated in Bid document.

A.4. Maintenance :

Bidder should indicate Comprehensive Annual Maintenance Cost (CAMC) for the indicated years included in the Bid document beyond Warranty Period/ Defects Liability Period (DLP).

A.5. Delivery and Installation Period

Bidder shall deliver the goods/services, install, test and to commission the same within the Period indicated in the Bid document from the date of signing the contract.

Section B

B. Scope of Work

Nizam's Institute of Medical Sciences, Panjagutta, Hyderabad, intends to install a pneumatic tube conveyor system to cover the healthcare services spread over several buildings in its campus through the manufacturers.

The Scope of work under this contract comprises Supply, Installation, Testing and Commissioning (SITC) of Pneumatic Tube System (PTS) works with 7 Years Comprehensive Maintenance after completion of warranty/ DLP Contract at Nizam's Institute of Medical Sciences, Punjagutta, Hyderabad. The work shall be carried out and completed under this contract in every respect in conformity with the current rules and regulations of the local electricity/other statutory authority, the Indian Standard Institution, and with the directions of and to the satisfaction of the Client and his authorized representatives. The Contractor shall supply and install all materials, appliances, equipment necessary for the complete provision and testing of the whole PTS Installation as specified herein and shown on the design. The work shall include all incidental jobs connected with PTS installation such as Core Cutting/ cutting / drilling and grouting for fixing of fixtures, equipment etc.

The PTS system shall cover the following buildings.

a. OPD Block
b. Oncology Block
c. IPD Block
d. Millennium Block
e. Trauma Block
f. Speciality Block

The PTS system design should take into account the future expansions including new buildings that have envisaged for future. The installation however, will be limited to the buildings mentioned above

During warranty period/ Defects Liability period, the contractor shall provide 2 engineers for maintaining the system and give training to Hospital staff on free of cost.

B.1. Drawings

After the work is awarded, the contractor shall submit the drawings for approval from the authorized representatives .

a. G.A. drawing, Schematic Drawing, Control wiring drawing and detailed BOQ for all the Pneumatic Tube Systems

B.2. As Built Drawings

As part of the handing over documents after successful completion of the work, the Contractor shall submit to the NIMS & its Authorized representatives AS BUILT drawings drawn at approved scale indicating the complete Pneumatic Tube system "As installed" / Photos of All Equipments Layouts if required by Engineer-in-Charge. These drawings shall be prepared in AutoCAD latest version. These drawings shall in particular, give the following information:

a. Routing of Conduits, Raceways, Sub main conducting, Cable Trays, and Earthing strips/ wires.
b. G.A. drawing, Schematic Drawing, Control wiring drawing and detailed BOQ for all the Pneumatic Tube Systems

B.3. Operation and Maintenance Manuals

As part of the handing over documents, the Contractor shall submit to the Engineer-in-Charge draft copies of comprehensive operating and maintenance manuals, maintenance schedule and log sheets for all systems and equipment included in this contract. These shall be supported with the manufacturer's operating and maintenance manuals.

The manuals shall contain basis of design, detailed technical data and drawings for each equipment as installed, the erection, testing, operation and maintenance procedures, spare parts manual and recommended spares for 10 years period of each equipment.

The Contractor shall also submit the Preventive maintenance schedule for the equipment supplied.

The Contractor shall submit two sets of the final Manuals (incorporating comments, if any, of Engineer-in-Charge) complete in all respects.

Life span of Pneumatic Tube system should be minimum 15 years. The Bidders shall guarantee regular and timely supply of all spares, consumables & allied products required.

List of all spare parts with price should be provided. Authorized Service centre and Service Engineer should be available in Hyderabad.

B.4. Import License

For importing any item import license/L.C if required, the Contractor shall make required arrangements. Any delay on this account shall be to Contractors account.

B.5. Training the Personnel

The Contractor shall train Personnel to operate the equipment installed, to carry out routine maintenance work including lubrication, overhauling, adjustments, testing, minor repairs and replacement. Nothing extra shall be payable.

Required training shall be given to the employees for a period of three months from the date of Installation.

Owner reserves the right to inspect any equipment / material to be supplied by the contractor as part of his scope of work, at manufacturer's works. The Contractor shall provide and secure for the Owner's Authorized Representative every reasonable access and facility at the manufacturer works for inspection and testing.

B.6. Sample, Submission And Approval

After award of work, the contractor shall submit following samples / names of makes for approval from the Owner / Architect / Consultant before using it. Subsequently it shall be his responsibility to get the samples / Makes approved in due course of time without in any way affecting the overall schedule of completion of works.

B.7. Interchange Ability

All similar parts or equipment shall be interchangeable, with one another.

B.8. Inspection And Testing

Owner reserves the right to inspect any Equipment / Material to be supplied by the contractor as part of his / her scope of work, at manufacturer's works to confirm their conformity to the Contract. The special conditions of contract and / or the Technical Specification shall specify what inspections and tests the Client requires and where they are to be conducted. The Contractor shall provide and secure for the Client and his Authorized Representative every reasonable access and facility at the manufacturer works for inspection and testing.

All equipment shall be inspected and tested as per an agreed Quality Assurance Plan before the same is packed and dispatched from the Manufacture's Works. The Contractor shall carry out tests as specified / directed by Client or his representatives.

B.9. Income Tax Return

In case of domestic tenderers, the tender must be accompanied by an Income-Tax return copy of last three financial years. If a tender is submitted without complying with these requirements, it is liable to be rejected outright.

Section C

C. Pre-Qualification Criteria for Bidder

C.1. Qualification shall be based on meeting all the following minimum criteria regarding the bidder's general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the bidder's responses in the forms attached. The designated committee reserves the right to waive minor deviations, if these do not materially affect the capability of a bidder to perform the contract. Sub-contractor's experience and resources shall not be taken into account in determining the bidder's compliance with the qualifying criteria

C.2. Bidders should submit date and place of manufacturing and copy of certificate of country of origin, valid CE marking certificate, quality certificates for the quoted medical Pneumatic tube system products/ product covered under this tender. Copy of the same to be submitted with documents, failing which the bids shall be rejected.

Country of origin certificate (Notarized) for imported items should be attached with the tender as per the format given in Tender.

C.3. The Bidder must submit the design and technical data of Complete SITC for Pneumatic Tube System and considering the minimum requirement / capacity mentioned in BOQ. Items, Tender Specification and Tender Drawings along with technical bid shall be submitted in separate envelope. The same shall be checked by planning/ designing consultant & Hospital authority respectively. The design shall be in accordance with the latest relevant code and standard and such that all the stations, blower, coupler and other accessories shall have the required pressure and flow rate etc

C.4. Average Annual financial turnover in last three financial years ending on 31.03.2017 shall not be less than Rs.1.2 **Cr**. (Note: The audited balance sheets for the last three financial years and Profit and Loss a/c must be submitted and must demonstrate the soundness of the bidder's financial position, showing long-term profitability. Where necessary, the Employer shall make enquiries with the bidder's bankers.)

C.5. The contractor shall possess VAT registration with Govt. of Telangana / Any state of India (Copy of registration certificate along with latest VAT Return shall be enclosed along with Tender) The Contractor shall also abide by the GST provisions if covered in future.

C.6. The contractor shall possess Service Tax Registration (Copy of registration certificate along with latest Service Tax Return shall be enclosed along with Tender)

C.7. The bidder should have experience of having successfully completed worldwide either of the following works during last seven years ending last day of the month previous to the one in which bids are invited

One Pneumatic Tube System jobs of similar nature of work of worth not less than 80% of tender estimate cost.

OR

Two Pneumatic Tube System job of similar nature of work worth not less than 50% of tender estimate cost.

OR

Three Pneumatic Tube System job of similar nature of work worth not less than 40% of tender estimate cost.

In Govt. / Semi Govt. / State Govt. organization / Railway / Corporation and Local govt. Bodies Public / private sector

Note: Similar nature of works means "Pneumatic Tube System work (Copies of Work completion certificate duly certified by client along with Work Order must be submitted with tender in proof of above criteria)

C.8. The Bidder should have Completed at least 1 High rise Building of Hospital, Govt. / Semi Govt. / State Govt. organization / Railway Corporation and Local govt. Bodies / Public or private sector during last seven years.

C.9. Personnel: The Bidder must have suitably qualified personnel, to fill the following positions.

S.No.	Position	Required Numbers
1.	Project Engineer Graduate Engineer	1
2.	Assistant Electrical Engineer Graduate/ Diploma	1

Section D

D. Statement of important limits/ values related to bid

Item	Description
Bid Security (EMD)	Rs. 10 Lakhs
Bid Validity Period	ONE YEAR from the bid opening date
Maintenance Period	7 Years
Variation in quantities	+/- 25%
Period for furnishing performance security	Within 15 days from the data of receipt of notification of award/ work order/ L.O.I
Performance security value for warranty period	10% of contract value
Performance security (for warranty period) validity period	60 days beyond warranty period
Period for signing contract	Within 15 days from date of receipt of notification of award
Warranty period	36 months from the date of successful completion of SITC Work
Minimum Up time for System	95 % calculated over 3 months period
CAMC Performance Security Value and validity period	10% of contract value and valid for 60 days beyond CAMC period.
Payment terms	Cumulative payment
On delivery at user site	30% of contract value of goods
On successful installation/commissioning	50% of contract value of goods
On acceptance of goods	20% of contract value of goods
LD for late deliveries a. Delay up to one fourth period of the prescribed period of supply, successfull installation, training & commissioning of work b. Delay exceeding one fourth but not exceeding half of the prescribed period of supply, successful installation, training & commissioning of work c. Delay exceeding half but not exceeding three fourth of the prescribed period of supply, successful installation, training & commissioning of work d. Delay exceeding three fourth of the prescribed period of supply, successful installation, training & commissioning of work	 2.5% Delayed contract component. 5.0% Delayed contract component. 7.5% Delayed contract component. 10% Delayed contract component.
Penalty for failure to maintain during warranty or Comprehensive Annual Maintenance Contract	For every reduction in up time by 1.00 % from 95%, Penalty will be 1.5 % of purchase value of that particular item
Supply, installation, training & commissioning period	Within **6 months** from the date of contract signing.

Section E

E. Technical Specifications

Annexure 2

Section F

Bidding Procedure

F.1.

Bids shall be submitted in three parts, Pre-Qualification Bid, Technical Bid and Financial Bid.

F.2. Pre-qualification bid documents:

It shall include the following information about the firm and/or its proposal.

1. General information on the bidder's company in Form P-1
2. Information Regarding Financial Capacity of the Bidder in Form P-2
3. Information on Bid Capacity in Form P-3
4. Details of Technical Personnel with Bidder who are Proposed for this Contract in Form P-4
5. Details of the Works of Similar Type and Magnitude Carried Out by the Bidder during Last 7 Years Period in Form P-5
6. Details of the Work in Hand and Works Bided for as on the Date of Submission of the Bid in Form P-6
7. Details of Works Left Incomplete in Form P-7
8. Details of Equipment in Possession of the Contractor and Proposes to Bring to the Site for this Work in Form P-8
9. Declaration in Form P-9
10. Self-Declaration – No Blacklisting in Form P-10
11. Manufacturer's authorisation to participate in bidding process apart from such other documents like authorisation certificate for dealing in the products for which bid is submitted – Annexure 5.(However this will not apply to Manufacturers)
12. Where Forms are not prescribed, bidder can design his own formats to hold the information

E.3. Technical Bid:

1. Details of Technical specifications and Deviation(s) to technical specification, if any in Form T-1
2. Check list in Form T-2
3. List of documents to be submitted - Form T-3
4. Other information , if any required in the bid document in Form T-4 (Bidder's own format)

F.4. Financial bid:

The financial bid should provide

1. Cost calculations corresponding to unit price of each item of the schedule in the Form F-1.
2. Cost of the comprehensive annual maintenance contract (CAMC) after warranty period for 7 years in Form F-2.

F.5. Pre-bid Meeting:

All the prospective bidders can participate in the Pre Bid meeting to seek clarifications on the project/ bid, if any. Pre Bid meeting will be held at the Learning Centre, NIMS.

a. As a result of discussions in the pre-bid meeting, if modifications in Tender and specifications of services and/or items are considered necessary, they shall be done by issuing an addendum/corrigendum. The corrigendum/ addendum and the final Tender will be published on the web sites as specified in the NIT.
b. NIMS reserves the right not to respond to any/ all queries raised or clarifications sought if, in their opinion and at their sole discretion, consider that it would be inappropriate to do so order not find any merit in it.

Section G

G. Bid evaluation procedure:

Bids would be evaluated for entire Schedule. Bidders should offer prices for all the items of a Schedule and for the full quantity of all items in a Schedule failing which such bid will not be considered for evaluation. If a vendor has any comment to offer about the procedural aspects of this tender, it should be intimated to during the pre-bid meeting. In case the schedule or procedure of tender processing is revised, the same shall be communicated online and revised schedule or procedure shall be binding on all.

G.1. Opening of bids:

Immediately after the closing time, the person shall open the pre-qualification bid, and list them for further evaluation. The Technical bids of only those bidders who qualify in the pre-qualification bid will be opened. After evaluation of technical bids, the financial bids of only those bidders who qualify in technical evaluation will be opened. Any participating vendor may depute a representative to witness these processes.

G.2. Pre-qualification bid evaluation:

The Pre-qualification bid documentation shall be evaluated in two sub-steps. Firstly, the documentation furnished by the vendor shall be examined prima facie to see if the technical skill base and financial capacity and other vendor attributes claimed therein are consistent with the needs of this project. In the second step, may ask vendor(s) for additional information, visit to vendors site and/or arrange discussions with their professional, technical faculties to verify claims made in Pre-qualification bid documentation.

G.3. Technical bid evaluation:

Technical bid documentation shall be evaluated again in two sub-steps. Firstly, the documentation furnished by the vendor shall be examined prima facie to see if the product /services offered, technical skill base and financial capacity and other vendor attributes claimed therein are consistent with the needs of the department. In the second step, may ask vendor(s) for additional information, visit to vendors site and/or arrange discussions with their professional, technical faculties to verify claims made in technical bid documentation.

G.4. Financial bid evaluation:

Final choice of firm to execute the project shall be made on the basis of conformity to pre-qualification, technical specifications, appropriateness of the product offered, capability of bidder to execute and service the project and appropriateness of financial offer from the point of view of cost-effectiveness over the entire maintenance period for the product/services.

Section H

General instructions to bidders.

H.1. Definitions:

1. **Tender call or invitation for bids,** means the detailed notification seeking a set of solution(s), service(s), materials or any combination of them.
2. **Specification** means the functional and technical specifications or statement of work, as the case may be.
3. **Firm** means a company, authority, co-operative or any other organisation incorporated under appropriate statute as is applicable in the country of incorporation.
4. **Bidder** means any firm offering the solution(s), service(s) and/or materials required in the tender call. The word vendor when used in the pre award period shall be synonymous with bidder and when used after award of the contract shall mean the successful bidder with whom signs the contract for rendering of goods and services.
5. **Pre- qualification and Technical bid** means that part of the offer, that provides information to facilitate assessment by , professional, technical and financial standing of the bidder and conformity to requirements.
6. **Financial Bid** means that part of the offer, that provides price schedule and total costs including taxes etc.
7. **Three part Bid** means the pre-qualification bid, technical and financial bids and their evaluation is sequential.
8. **Two part Bid** means the Technical bid and Financial bids their evaluation is sequential.
9. **Composite bid** means a bid in which the technical and financial parts are combined into one but their evaluation is sequential.
10. **Goods and services** mean the solution(s), service(s), materials or a combination of them in the context of the tender call and specifications.
11. **The word goods** when used singly, shall mean the hardware, firmware component of the goods and services.
12. **Maintenance period** means period mentioned in bid document for maintaining the systems beyond warranty period.
13. **Comprehensive Annual Maintenance Contract (CAMC)** means comprehensive maintenance of goods which will include maintenance services for goods including replacement of parts.

H.2. Bidding Document

The complete bidding document shall be available on the website(s) for the period as specified in the NIT. The prospective bidders can download the bidding document from website(s).

H.3. General eligibility

1. Subject to Pre-Qualification conditions, this invitation for bids is open to all firms both from within and outside India, who are eligible to do business in India under relevant Indian laws as are in force as on bid closing date.

2. Bidders marked/considered by NIMS/ TSMIDC/ APMIDC to be ineligible to participate for non-satisfactory past performance, corrupt, fraudulent or any other unethical business practices shall not be eligible.
3. Breach of general or specific instructions for bidding, general and special conditions of contract with NIMS, TSMIDC or any of its user organisations may make a firm ineligible to participate in bidding process.

H.4. Bid forms and Language of Bid

1. Wherever a specific form is prescribed in the bid document, the bidder shall use the form to provide relevant information. If the form does not provide sufficient space for any required information, space at the end of the form or additional sheets shall be used to convey the said information.
2. For all other cases the bidder shall design a form on its own to hold the required information.
3. Bids shall be prepared in English language only. All correspondence with purchase shall also be English language only. However any printed material could be in any other language so long as accompanied by an English translation. For the purpose of interpretation, English translation shall prevail.

H.5. Cost of bidding

1. The bidder shall bear all costs associated with the preparation and submission of its bid, and NIMS will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.
2. Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required in the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the bidder's risk and may result in the rejection of its bid.

H.6. Clarification of bidding documents

1. A prospective vendor requiring any clarification of the bidding documents may notify NIMS contact person. Written copies of the NIMS response (including an explanation of the query but without identifying the source of inquiry) will be published online.
2. The concerned person will respond to any request for clarification of bidding documents which it receives no later than bid clarification date mentioned in the notice prior to deadline for submission of bids prescribed in the tender notice. No clarification from any bidder shall be entertained after the close of date and time for seeking clarification mentioned in tender call notice. It is further clarified that NIMS shall not entertain any correspondence regarding delay or non-receipt of clarification from NIMS.
3. If the prospective bidder has any queries related to understanding any portion of the bidding document, then bidder is allowed to get clarifications from NIMS in the pre bid meeting.

4. NIMS may respond if felt necessary, either in writing or will upload the details on the website(s) mentioned in the NIT, to any request for clarification, provided that such a request is received no later than 3 days after the pre-bid meeting.
5. If felt necessary, NIMS may response to the Bidders or may place response on its website, including a description of the inquiry but without identifying its source.
6. If felt necessary, NIMS may deem to amend the Bidding Document as a result of a clarification or otherwise, it shall do so by issuing a revised bidding document and/or Addendum/Corrigendum. If need be, the deadline for submission of Bids may also be extended in order to give reasonable time to the prospective Bidders to take into account the amendment.
7. Post-bid clarifications, if any, will be sought only once. Hence, bidders are advised to prepare and submit the bid accordingly and ensure that all the required documents are in place. Also, clarifications shall be sought only for the bid / document submitted and no new documents shall be accepted.

H.7. Amendment of bidding documents

1. At any time prior to the deadline for submission of bids, NIMS, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, NIMS may amend the Tender by issuing Corrigendum/ Addendum.
2. Any Corrigendum/Addendum issued shall be a part of the Tender and shall be uploaded on the website(s) mentioned in the NIT.
3. Amendments if any shall also be binding on all prospective bidders. Even those who have already received/ down loaded the bidding documents.
4. In order to allow prospective bidders reasonable time to take the amendment/ corrigendum into account in preparing their bids, the NIMS, at its discretion, may extend the deadline for the submission of bids.
5. Any change in date of submission and opening of bids would be published in on the web site(s) mentioned in the NIT.
6. It is the responsibility of the prospective bidders to keep themselves updated with any changes with respect to the Tender or NIT by visiting the website(s) regularly.

H.8. Period of validity of bids

1. Bids shall remain valid for the **days** or duration specified in the bid document. A bid valid for a shorter period shall be rejected as non-responsive.
2. In exceptional circumstances, the NIMS may solicit the bidders' consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security shall also be suitably extended. However a bidder granting the request will not be permitted to modify its bid.

H.9. Submission of bids

1. The bidders shall seal the pre-qualification bid, technical bid and financial bid in separate envelopes, duly marking the envelopes as "Pre-qualification", "Technical bid", "Financial bid".
2. The envelopes shall then be sealed in an outer envelope. The inner and outer envelopes shall:
    a. be addressed to the NIMS at the address given in the tender call;

    b. bear the project name/title indicated in the tender call, and **bear a statement for** -
        1. Pre-qualification bid **"Do not open before bid opening day and time",**
        2. Technical bid **"Do not open until evaluation of Pre-qualification bid",**
        3. Financial bid **" Don't open until evaluation of technical bid"**

3. The outer envelopes shall clearly indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late".
4. If the outer envelope is not sealed and marked as required above, NIMS will assume no responsibility for the bid's misplacement or premature opening.

H.10. Deadline for submission of bids.

1. Bids must be received by the NIMS contact person no later than the bid submission date and time specified in the tender call notice.
2. The NIMS may, at its discretion, extend this deadline for the submission of bids by amending the tender call, in which case all rights and obligations of the NIMS and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

H.11. Late bids

Any bid not received by the NIMS by the deadline for submission of bids will be rejected and returned unopened to the bidder.

H.12. General business information:

The bidder shall furnish general business information to facilitate assessment of its professional, technical and commercial capacity and reputation.

H.13. Bid security i.e. earnest money deposit (EMD)

1. The bidder shall furnish, as part of its bid, a bid security for the amount specified in the tender call notice.
2. The bid security is required by NIMS to:

a. assure bidder's continued interest till award of contract and
b. conduct in accordance with bid conditions during the bid evaluation process.

3. The bid security shall be in Indian rupees and shall be a Demand Draft (DD) in favour of **'The Director, NIMS'**, issued by a reputable bank scheduled in India and having at least one branch office in Hyderabad
4. Unsuccessful bidder's bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by NIMS.
5. The successful bidder's bid security will be discharged upon the bidder signing the contract, and furnishing the performance security,
6. The bid security may be forfeited:
    a. if a bidder withdraws its bid during the period of bid validity or
    b. in the case of a successful bidder, if the bidder fails:
        1. to sign the contract in time; or
        2. fails to furnish performance security in time.

H.14. Preparation of Pre-qualification bid

It shall contain of the following parts:

1. General business information
2. Turnover details
3. Major clients' details
4. Service centre details
5. Past performance details
6. Declaration Form
7. Financial Capacity of bidder
8. Bid security (EMD)
9. Any other information required as per bid document.

H.15. Preparation of technical bid

It shall consist of the following parts.

1. Technical documentation - confirmation to technical specifications etc.
2. Plan for in lab proof of concept, if required in tender call.
3. Plan for field demonstration if required in tender call
4. Detailed technical documentation, reference to various industry standards to which the goods and services included in vendor's offer conform, and other literature concerning the proposed solution. In particular, the vendors should identify areas in which their solution conforms to open standards and areas that are proprietary in nature. Justification about proprietary components in terms of functionality and performance should be given.
5. A statement about appropriateness of the product design and solution plan for operating conditions in India, including physical, infrastructure and human factors.

6. In the case of a bidder offering to supply goods under the contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorised by the good's manufacturer or producer to supply the goods in India. It will not apply when bid is open only to manufacturers.
7. A statement of the serviceable life of goods and services offered by the firm. Available sources of maintenance and technical support during the serviceable life. Available sources of spare parts, special tools, etc. necessary for the proper and continuing functioning of the goods and services, for the serviceable life.

H.16. Preparation of financial bid

Overview of financial bid

The financial bid should provide cost calculations corresponding to each component of the requirements.

1. **Bid prices:**
   - **a.** The bidder shall indicate the unit prices and the total bid price of the goods/ services it proposes to supply under the contract as per Format. Bid prices shall be rounded off to nearest rupee.
   - b. The bidder shall indicate Basic Prices and taxes, duties etc. (if required) in the form prescribed.
   - c. Bidder's separation of price components will be solely for the purpose of facilitating the comparison of bids by NIMS and will not in any way limit the purchaser's right to contract on any of the terms offered.
   - d. Prices quoted by the bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account unless otherwise specified in the tender call. A bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected.
   - e. However variation in VAT/CST/Service Tax/ Excise Duty from the date of filing bid up to the during the period of contract will be adjusted accordingly. Hence Bidder must specify the value of VAT/ CST/ Service Tax/Excise Duty, as the case may be, which has been included in the bid price.
2. **Bid currency** :

   Prices shall be quoted in Indian rupees.

Section I

Standard procedure for opening and evaluation of bids

I.1. Out line of bid Opening procedure

1. The bid opening and evaluation process will be sequential in nature. It means that bidder must qualify in a particular stage to make him eligible for evaluation in next stage. Immediately after the closing time, the NIMS shall open the Pre-qualification bids and list them for further evaluation. The Technical and financial bids shall remain sealed. Thereafter, Technical bids of qualified bidders will be opened, keeping financial bid sealed. Finally financial bids of those bidders will be opened who are qualified in technical evaluation.
2. Any participating vendor may depute a representative to witness these processes.
3. The standard procedure, described here will stand appropriately modified, in view of special procedures of bid evaluation as mentioned in tender call or elsewhere in this bid document or as decided by NIMS during the course of evaluation to meet any specific situation or need arising from time to time.

I.2. General guidelines for bid opening and evaluation

Bids will be in three parts (pre-qualification, technical and financial). For three part bids there will be three bid opening events. Following guidelines will generally be followed by NIMS officers at each such event. However NIMS may deviate from these in specific circumstances if it feels that such deviation are unavoidable, or will improve speed of processing.

1. Opening of bids

a. Bids will be opened in the presence of bidder's representatives, who choose to attend. The bidder representatives who are present shall sign a register evidencing their attendance.

b. The bidders names, bid modifications, discounts, and the presence or absence of requisite bid security and such other details as the NIMS officer at his/her discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened.

c. Bids that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances.

2. Preliminary examination of Bids

1. Preliminary scrutiny will be made to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
2. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price and quantity shall prevail

and the total price shall be corrected accordingly. If the vendor does not accept the correction of the errors, its bid will be rejected and its bid security may be forfeited. If there is a discrepancy between words and figures, the text in words will prevail.

3. NIMS may waive any minor informality, nonconformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
4. Prior to the detailed evaluation, NIMS will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations.
5. If a bid is not substantially responsive, it will be rejected by the NIMS and may not subsequently be made responsive by the bidder by correction of the nonconformity.

3. Clarification of bids

During evaluation of the bids, NIMS may, at its discretion, ask the bidder, in writing, for clarification of its bid. However no change in price or substance of the bids shall be sought, offered or permitted.

4. Evaluation of Pre - qualification bids

Pre - qualification bid documentation shall be evaluated in two sub-steps.

a. Firstly, the documentation furnished by the vendor will be examined prima facie to see if the technical skill base and financial capacity and other vendor attributes claimed therein are consistent with the needs of the purchaser.
b. In the second step, NIMS may ask vendor(s) for additional information, visit to vendors site and/or arrange discussions with their professional, technical faculties to verify claims made in technical bid documentation.

5. Evaluation of technical bids.

Technical bid documentation shall be evaluated in two sub-steps.

a. Firstly, the documentation furnished by the vendor will be examined prima facie to see if the offer made, technical skill base and financial capacity and other vendor attributes claimed therein are consistent with the needs of the purchaser.

b. In the second step, NIMS may ask vendor(s) for additional information, visit to vendors site and/or arrange discussions with their professional, technical faculties to verify claims made in technical bid documentation.

6. In lab proof of concept

The in lab proof of concept may be organised either in NIMS or in the vendor's lab by mutual discussion. In case it is organised in NIMS office/ lab, NIMS would make available generic hardware for this purpose. Application specific hardware and software will have to be brought in by the vendor.

7. Field demonstration

The bidder, on demand, shall demonstrate functional requirements of the goods/ services as described in the specifications. The demonstration site will be decided by NIMS.

8. Evaluation of financial bids

Financial bids of those vendors who satisfy all phases of the pre-qualification, technical bid and corresponding to chosen technical choices will only be opened. All other financial bids will be ignored. NIMS may at its discretion discuss with vendor(s) available at this stage to clarify contents of financial offer.

As a general rule, negotiations after opening of financial bids would be discouraged. However, negotiations may be under taken in exceptional circumstances, such as:

a. When wrong prices have been quoted.

b. When the quoted rates have wide variations and are much higher than the market rates prevailing at the time of opening of bids.

c. Negotiations shall not make original offer of the bidder in effective.

d. Negotiations shall be conducted with the best value bidder (L1 bidder) only and by an information given in writing with a minimum period of 3 days (in case of a local bidder) and 7 days (in case of an outstation bidder) shall be given for response in writing and in sealed cover. In case of urgency, the Tender sanctioning authority may reduce the notice period for negotiations provided the bidder receives the information regarding holding negotiations.

e. In case the best value bidder does not reduce rates in response to negotiations or the rates so reduced are still considered to be higher, the negotiation committee (NC) may decide to make a counter offer to the best value bidder. If the best value bidder does not accept the counter offer given by the NC, the NC may recommend rejecting the bid.

f. **The price bids of the bidders may be compared with price finalized by other Government agencies and in case bid price is higher, bidder may be asked to match lower price.**

9. Evaluation and comparison of financial bids

1. Evaluation of financial bids will exclude and not take into account any offer not asked for or not relevant to the present requirements of the user.

I.3. Performance and productivity of the equipment

Bidders shall state the guaranteed performance or efficiency in response to the specifications.

I.4. Contacting NIMS

1. Bidder shall not approach NIMS officer(s) outside of office hours and / or outside NIMS office premises, from the time of the tender call notice to the time the contract is awarded.
2. Any effort by a bidder to influence NIMS officer(s) in the decisions on bid evaluation, bid comparison or contract award may result in rejection of the bidder's offer and bidder may also be marked as ineligible for future bids. If the bidder wishes to bring additional information to the notice of the NIMS, it should do so in writing only.

I.5. NIMS' right to vary quantities at the time of award

a. At the time the Contract is awarded, the quantity of Items and Related Services originally specified in the bidding document may be increased or decreased, provided this change does not exceed the limits/ ceilings of minimum and maximum quantity, if any, indicated in the bidding document, and without any change in the unit prices or other terms and conditions of the bid and the bidding document.

b. Their quantities, mentioned in this bidding document, are estimates and are to be used only for the purpose of evaluation and comparison of bids; however actual quantity can vary based on the requirement at the site during installation. Selected bidder needs to supply requisite quantity as consumed at the site of installation.

c. If the order is placed up to 25% in excess or short of the number quantities mentioned in the BOM, the bidder shall be bound to meet the required supply.

d. Similarly in case of other equipment/ hardware/ software/ system software etc. also successful bidder will need to submit exact BOM and obtain prior approval from the authorised representative of the Purchaser.

I.6. NIMS' right to accept any bid and to reject any one or all bids.

NIMS reserves the right to accept or reject any bid or annul the entire bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.

I.7. Notification of award

a. Prior to the expiration of the period of bid validity, NIMS shall notify the successful bidder, in writing, that its bid has been accepted.

b. NIMS shall award the Contract to the bidder whose proposal/ bid has been determined to be the best value bid.

c. As soon as a bid is accepted by NIMS, its written intimation would be sent to the concerned bidder. If the issuance of formal Work Order is likely to take time, a Letter of Intent (LOI) may be sent in the meanwhile. In the same intimation the bidder may be asked to execute an agreement in prescribed format on a non-judicial stamp paper of

prescribed value and deposit the amount of prescribed performance security deposit within 15 days from the date of issue of acceptance.

d. The acceptance of an offer is complete as soon as the letter of communication is posted to the correct address of the bidder.

e. The EMD of the bidders whose bids could not be accepted shall be refunded soon after the agreement with the successful bidder is executed and his performance security deposit is obtained. Until formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.

I.8. Signing of contract

Promptly after notification of award, NIMS shall send to the successful bidder the Contract Agreement including "Special Conditions of Contract".

Within fifteen (15) days of receipt of the Letter of Intent/ Work Order from NIMS, the successful bidder shall sign, date, and return the Contract Agreement to NIMS.

I.9. Performance security

On receipt of notification of award from the NIMS, the successful bidder shall furnish the performance security in accordance with the conditions of contract, in the performance security form provided in the bidding documents or in another form acceptable to the NIMS. Failure of the successful bidder to sign the contract, proposed in this document and as may be modified, elaborated or amended through the award letter, shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the NIMS may make the award to another bidder or call for new bids.

I.10. Reservation of Rights

To take care of unexpected circumstances, NIMS reserves the rights for the following:

a. Extend the closing date for submission of the bid proposals.

b. Amend the bidding requirements at any time prior to the closing date, with the amendment being notified on the NIMS website(s).

c. Allow a bidder to change its technical proposal if the same opportunity is given to all bidders but before the opening of financial bids.

d. Terminate or abandon the bidding procedure or the entire project whether before or after the receipt of bid proposals.

e. Seek the advice of external consultants to assist NIMS in the evaluation or review of proposals.

f. Make enquiries of any person, company or organization to ascertain information regarding the bidder and its proposal.

g. Reproduce for the purposes of the procedure the whole or any portion of the proposal despite any copy right or other intellectual property right that may subsist in the proposal.

I.11. Monitoring of Contract

a. An officer or a committee of officers named Monitoring Committee (MC) may be nominated by NIMS to monitor the progress of the contract during its delivery period.

b. During the delivery period the MC shall keep a watch on the progress of the contract and shall ensure that quantity of items and service delivery is in proportion to the total delivery period given, if it is a severable contract, in which the delivery of the items and service is to be obtained continuously or is batched.

c. If delay in delivery of items and service is observed a performance notice would be given to the selected bidder to speed up the delivery.

d. Any change in the constitution of the firm, etc. shall be notified forth with by the contractor in writing to NIMS and such change shall not relieve any former member of the firm, etc., from any liability under the contract.

e. The selected bidder shall not assign or sub-let his contract or any substantial part thereof to any other agency without the permission of NIMS.

I.12. Corrupt, fraudulent and unethical practices

NIMS will reject a proposal for award and also may debar the bidder for future tenders in NIMS, if it determines that the bidder has engaged in corrupt, fraudulent or unethical practices in competing for, or in executing a contract. Here:

a. “Corrupt practice” means the offering, giving, receiving or soliciting directly or indirectly, of anything of value to influence the action of a public official in the process of contract evaluation, finalization and or execution and
b. “fraudulent practice” means an act or omission or misrepresentation of facts in order to influence a procurement process or the execution of a contract to detriment of the purchaser, 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 Purchaser of the benefits of free and open competition,
c. “Unethical practice” means any activity on the part of bidder by which bidder tries to circumvent tender process in any manner. Unsolicited offering of discounts, reduction in financial bid amount, upward revision of quality of goods etc after opening of first bid will be treated as unethical practice.

J. General conditions of proposed contract (GCC)

J.1. Definitions:

In this contract, the following terms shall be interpreted as indicated. Terms defined in general instructions to bidders section shall have the same meaning.

a. **"Bidder or Supplier or Vendor"** means the individual or firm supplying the goods and or services under this contract.

b. **"Contract**" means the agreement entered into between the NIMS and the vendor, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein;

c. **"Contract price"** means the price payable to the vendor under the contract for the full and proper performance of its contractual obligations;

d. **"Day"** means calendar day.

e. **"Down time"** means the time period when specified services with specified technical and service standards are **not available** to user(s). More details below.

f. **"Goods"** means all the equipment and/or other materials which the supplier is required to supply to the purchaser under the contract

g. **"GCC"** means the general conditions of contract contained in this section.

h. **"Incidental services or Services"** means those services ancillary to the supply of the goods and services, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, training manuals and other such obligations of the vendor covered under the contract;

i. **"Purchaser/ User"** means NIMS or ultimate recipient of goods and services

j. **"Project site",** where applicable, means the place(s) where goods/services are to be made available to user.

k. **"SCC"** means the special conditions of contract if any.

l. **"Undependable Supplier"** means any Supplier who do not accept the purchase order or who delays the supply of required quantities beyond the permitted delays under the contract

m. **"Up time"** means the time period when specified services with specified technical and service standards are available to user(s). More details below.

Down Time:

Down Time is defined as the time during which the systems and/or services running on it are not available or are deemed to be not available to the users in part or full due to any non – functioning, repairs / problems/failure of support equipment etc. The downtime will be counted from the time problem is reported to the bidder electronically or telephonically or online or by any other means till problem is solved / rectified to the satisfaction of user. Penalty shall be applicable once the admissible down time is crossed as per bid conditions.

Example of down time:

(a) If complaint is made at 6.00 PM and equipment is restored at 11.00 AM of next day, down

time will be 17 hours. (6.00 PM to 12.00 Mid Night. Mid Night to 11.00 AM)

(b) If CVT attached to equipment is down and equipment could not be used due to that, both equipment as well as CVT shall be deemed down.

Calculation of Up time for each equipment:

(No. Hours in 3 months – Down time in hours in 3 months) X100/ (No. of hours in 3 months period)

J.2. Application

These general conditions shall apply to the extent that they are not superseded by provisions of other parts of the contract.

J.3 Standards

The goods supplied under this contract shall conform to the standards mentioned in the specifications, and, when no applicable standard is mentioned, the authoritative standards appropriate to the goods' country of origin shall apply. Such standard shall be the latest issued by the concerned institution.

J.4 Use of documents and information

1. The bidder shall not, without prior written consent from NIMS, disclose/share/use the bid document, contract, or any provision thereof, or any information furnished by or on behalf of the NIMS in connection therewith, to any person other than a person employed by the bidder in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
2. The Bidder shall not, without prior written consent of NIMS, make use of any document or information made available for the project, except for purposes of performing the Contract.
3. All project related document (including this bid document) issued by NIMS, other than the contract itself, shall remain the property of the NIMS and shall be returned (in all copies) to the NIMS on completion of the bidder's performance under the contract if so required by the NIMS.

J.5. Performance security

1. On receipt of notification of award, the Vendor shall furnish performance security to NIMS in accordance with bid document requirement.
2. The proceeds of the performance security shall be payable to the NIMS as compensation for the supplier's failure to complete its obligations under the contract.
3. The performance security shall be denominated in Indian rupees or in a freely convertible currency acceptable to NIMS and shall be in one of the following forms:

a. A bank guarantee or Demand Draft (DD), issued by a reputed bank located in India with at least one branch office in Hyderabad, in the form provided in the bidding document or another form acceptable to the NIMS; or
b. A cashier's cheque or banker's certified cheque or crossed demand draft or pay order drawn in favour of the NIMS.

4. The performance security will be discharged by the NIMS and returned to the Vendor not later than thirty (30) days following the date of completion of all formalities under the contract and if activities, post warranty, by the Vendor is envisaged, following receipt of a performance guarantee for annual maintenance as per bid document.
5. In the event of any contract amendment, the vendor shall, within 15 days of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the balance duration of the Contract.

J.6. Manuals and drawings

1. Before the goods and services are taken over by the user, the Vendor shall supply operation and maintenance manuals, (together with drawings of the goods and services where applicable).
2. The Vendor shall provide complete technical documentation of hardware, firmware, all subsystems, operating systems, compiler, system software and the other software.
3. The manuals and drawings where ever applicable shall be in English or Telugu.
4. Unless and otherwise agreed, the goods and services shall not be considered to be completed for the purpose of taking over until such manuals and drawings have been supplied to the user.

J.7. Inspection and acceptance tests

1. Inspection and tests prior to shipment of Goods and at final acceptance are as follows:
    a. Inspection of the goods shall be carried out to check whether the goods are in conformity with the specifications mentioned in the bid document. Following broad test procedure will generally be followed for inspection and testing. The vendor will dispatch the goods to the ultimate consignee after internal inspection testing along with the supplier’s inspection report, manufacturer’s warranty certificate. The NIMS will test the equipment after completion of the installation and commissioning at the site of the installation. (If site preparation is not included in the tender call or specification, the vendor should furnish all details of the site requirement to the NIMS sufficiently in advance so as to get the works completed before receipt of the equipment.)
    b. The Inspections and tests, at the discretion of NIMS, may be conducted on the premises of the Vendor or its subcontractor(s), at point of delivery, and / or at the good's final destination. If conducted on the premises of the Vendor or its subcontractor(s), all reasonable facilities and assistance, including access to

drawings and production data, shall be furnished to the inspectors at no charge to the NIMS.

c. Should any inspected or tested goods fail to conform to the specifications the NIMS may reject the goods, and the vendor shall either replace the rejected goods or make alterations necessary to meet specification requirements free of cost to the NIMS/user.
d. NIMS' right to inspect, test and, where necessary reject the goods after the goods' arrival at user's site shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by the NIMS or its representative prior to the goods shipment.
e. Nothing in this clause shall in any way release the vendor from any warranty or other obligations under this contract.
f. The acceptance test will be conducted by the NIMS, their consultant or any other person nominated by the NIMS, at its option. There shall not be any additional charges for carrying out acceptance tests. Any reduction in functional requirements, and performance specifications shall be ground for failure. Any malfunction, partial or complete failure of any part of goods, hardware, firmware or excessive heating of hardware enclosures or bugs in the software shall be grounds for failure of acceptance test. All the software should be complete and no missing modules / sections will be allowed. The vendor shall maintain necessary log in respect of the results of the tests to establish to the entire satisfaction of the NIMS, the successful completion of the test specified. An average uptake efficiency of 99% for the duration of test period (7 days) shall be considered as satisfactory.
g. In the event of the goods failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the NIMS reserves the rights to get the equipment replaced by the vendor at no extra cost to the NIMS/user.

J.8. Acceptance certificates

On successful completion of acceptability test, receipt of deliverables etc, and after NIMS is satisfied with the working of the system, the acceptance certificate signed by the vendor and the representative/ committee of the NIMS will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the systems.

J.9. Packing

1. The vendor shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperature, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness

of the goods' final destination and the absence of heavy handling facilities at all points in transit.

2. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the NIMS.

J.10. Delivery and documents

1. Delivery of the goods/services shall be made by the vendor in accordance with the terms specified in the Schedule of requirements. The details of shipping and / or other documents to be furnished and submitted by the vendor are specified below.

   a. **For Goods supplied from abroad:**

      1. Within 24 hours of shipment, the Vendor shall notify the NIMS and the Insurance Company by cable or telex or fax full details of the shipment including contract number, description of goods, quantity, the vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc. The Vendor shall mail the following documents to the NIMS, with a copy to the Insurance Company.
      2. Four copies of supplier's invoice showing goods description, quantity, unit price and total amount;
      3. 4 copies of packing list identifying contents of each package;
      4. Insurance certificate; Manufacturer's/Supplier's warranty certificate;
      5. Inspection certificate, issued by the nominated inspection agency and the Supplier's factory inspection report; and
      6. Certificate of origin.

   The above documents shall be received by the NIMS at least one week before arrival of Goods at the port or place of arrival and, if not received, the Vendor will be responsible for any consequent expenses.

   b. **For Goods from within India**:

   Upon delivery of the goods to the user, the vendor shall notify the NIMS and mail the following documents to the NIMS:

      1. Four copies of the Vendor invoice showing goods description, quantity, unit price total amount;
      2. Delivery note, or acknowledgement of receipt of goods from the user;
      3. Manufacturer's or Supplier's warranty certificate;
      4. Inspection Certificate issued by the nominated inspection agency, and the Supplier's factory inspection report;
      5. Certificate of Origin;
      6. Insurance policy;
      7. Excise gate pass, Octroi receipts wherever applicable duly sealed indicating payments made; and

The above documents shall be received by the NIMS before arrival of the Goods (except deliver note and where it is handed over to the user with all documents) and if not received, the vendor will be responsible for any consequent expenses.

J.11.Insurance

It is suggested that the goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery up to user site. The insurance should be for replacement value from "Warehouse to warehouse (final destination)" on "All Risks" valid for a period not less than 3 months after installation and commissioning.

J.12. Transportation

Transport of the goods to the project site(s) shall be arranged by the vendor at his cost.

J.13. Goods Installation

The vendor is responsible for all unpacking, assemblies, wiring, installations, cabling between goods units and connecting to power supplies. The vendor will test all hardware operations and accomplish all adjustments necessary for successful and continuous operation of the goods at all installation sites.

J.14. Incidental services

The Vendor may be required to provide any or all the following services, including additional services :

1. Performance or supervision or maintenance and/or repair of the supplied goods and services, for a period of time agreed by the parties, provided that this service shall not relieve the Vendor of any warranty obligations under this Contract, and
2. Training of NIMS personnel in using goods.

Prices charged by the Vendor for the preceding incidental services, if any, should be indicated separately (if required), and same will be mutually negotiated separately.

J.15. Spare parts

1. The Vendor may be required to provide any or all of the indicated spare parts, materials, notifications and information pertaining to spare parts manufactured or distributed by the Vendor.
2. Such spare parts as the NIMS may elect to purchase from the Vendor, provided that this election shall not relieve the Vendor of any warranty obligations under the contract and

3. In the event of termination of production of the spare parts, an advance notification to the NIMS of the pending termination, in sufficient time to permit the NIMS to procure needed requirements and
4. The Vendor shall ensure availability of spares in stock at his nearest service centre for immediate delivery such spare parts as: (a) are necessary for a minimum of 7 years of operation after installation at the Purchaser's sites (b) are necessary to comply with bid requirements.

J.16. Warranty

1. The Vendor warrants that the goods and services supplied under the contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The Vendor further warrants that all goods and services supplied under this contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Vendor that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
2. The warranty period shall be as stated in bid document. The Vendor shall, in addition, comply with the performance guarantees specified under the contract. If, for reasons attributable to the Vendor, these guarantees are not attained in whole or in part, the Vendor shall, make such changes, modifications, and/or additions to the goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the contract at its own cost and expenses and to carry out further performance tests.
3. The equipment supplied should achieve required up time.
4. NIMS shall promptly notify the Vendor in writing of any claims arising under this warranty.
5. Upon receipt of such notice/complaint, the Vendor shall, within the period specified in GCC if any and with all reasonable speed, repair or replace the defective goods and services or parts thereof, without costs to the user so as to achieve required up time.
6. If the Vendor, having been notified, fails to remedy the defect(s) within a reasonable period, the NIMS may proceed to take such remedial action as may be necessary, at the vendor's risk and expense and without prejudice to any other rights which the NIMS may have against the Vendor under the contract.

J.17. Warranty and Maintenance service

1. Free maintenance services including spares shall be provided by the vendor during the period of warranty. User, at its discretion may ask the vendor to provide comprehensive maintenance services (Which will include spare parts) after warranty period, i.e. Annual maintenance and repairs of the system at the rates indicated by bidder in its proposal and on being asked so, the vendor shall provide the same. The cost of annual maintenance and repairs cost (after warranty period), which will include cost of spares replaced, shall be paid in equal half yearly instalments at the end of each half year.

2. The maximum response time for maintenance complaint from any of the destination (i.e. time required for supplier's maintenance engineers to report to the installations after a request call is made or letter is written) shall not exceed 48 hours.
3. The vendor will accomplish preventive and breakdown maintenance activities to ensure that all goods perform their functions without defect or interruption for at least required up time.
4. In case up time is less than the stipulated up time, the penalty as indicated in the bid document shall be imposed on the vendor.
5. The amount of penalty if any, will be recovered at source from the Performance security during the warranty period or from Performance security submitted for maintenance period or from maintenance charges payable or both during maintenance period.
6. Bidder shall submit Performance Security for AMC at 10% of contract value at least 30 days in advance of commencement of maintenance period, covering entire maintenance period and 60 days beyond it, for performing its obligation during the maintenance period. This security will be liable for forfeiture in case of failure of bidder in performing its obligation during maintenance period.

J.18. Payment

1. The vendor's request(s) for payment shall be made to the NIMS in writing, accompanied by an invoice describing, as appropriate, the goods/service delivered/ performed.
2. Payment schedule will be as indicated in Bid document.
3. Payments shall be made promptly by the NIMS, but in no case later than (30) days after submission of a valid invoice or claim by the vendor.
4. The currency of payment will be Indian rupees.
5. The annual maintenance and repair cost as per separate agreement if any, shall be paid in equal half yearly instalments at the end of each half year as per the rates quoted and agreed.

J.19. Prices

Prices charged by the Vendor for goods delivered and services performed under the contract shall not vary from the prices quoted by the Vendor in its bid, with the exception of any price adjustments authorised in special conditions of contract or in the request for bid validity extension, as the case may be.

J.20. Change orders

NIMS may, at any time, by written order given to the Vendor, make changes within the general scope of the Contract in any one or more of the following:

1. drawing, designs, or specifications, where Goods to be supplied under the Contract are to be specifically manufactured for the NIMS;
2. the method of shipment or packing;
3. the place of delivery and/or the services to be provided by the Vendor.

If any such change causes an increase or decrease in the cost of, or the time required for, the vendor's performance of any provisions under the contract, an equitable adjustment by mutual agreement shall be made in the contract price or delivery schedule, or both, and the contract shall accordingly be amended. Any claims by the Vendor for adjustment under this clause must be asserted within thirty (30) days from the date of the Vendor's receipt of the change order.

J.21. Contract amendment

No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

J.22. Assignment

The Vendor shall not assign, in whole or in part, its obligations to perform under this Contract, except with the prior written consent from NIMS.

J.23. Subcontracts

The Vendor shall notify the NIMS in writing of all subcontracts awarded under this contract if not already specified in the bidder's proposal. Such notification, in the original bid or later, shall not relieve the Vendor from any liability or obligation under the contract. Subcontract shall be only for bought-out items and sub-assemblies.

J.24. Delays in the supplier's performance

1. Delivery of the Goods and performance of the services shall be made by the Vendor in accordance with the time schedule specified by the NIMS in the specifications.
2. If at any time during performance of the Contract, the Vendor or its subcontractor(s) should encounter conditions impending timely delivery of the goods and performance of services, the Vendor shall promptly notify the NIMS in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the vendor's notice, NIMS shall evaluate the situation and may at its discretion extend the Vendor's time for performance, with or without liquidated damages.
3. A delay by the Vendor in the performance of its delivery obligations shall render the vendor liable to the imposition of appropriate liquidated damages, unless an extension of time is agreed upon by NIMS without liquidated damages.

J.25. Liquidated damages/ Penalty

If the Vendor fails to deliver any or all of the goods or perform the services within the time period(s) specified in the Contract, the NIMS shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages/ Penalty, a sum equivalent to, as per the terms indicated in the bid document, until actual delivery or performance, subject to maximum limit. Once the maximum is reached, contract shall be deemed cancelled unless it is revived, on request from bidder, by NIMS with or without penalty and conditions, in writing.

J.26. Termination for default

1. The NIMS, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Vendor, may terminate the Contract in whole or in part:
   a. If the Vendor fails to deliver any or all of the Goods/services within the time period(s) specified in the contract, or within any extension of time thereof granted by the NIMS or
   b. if the Vendor fails to perform any other obligation(s) under the Contract or
   c. if the Vendor, in the judgement of the NIMS has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
2. In the event the NIMS terminated the contract in whole or in part, NIMS may procure, upon such terms and in such manner as it deems appropriate, goods or services similar to those undelivered, and the Vendor shall be liable to the NIMS for any excess costs for such similar goods or services. However, the Vendor shall continue performance of the contract to the extent not terminated.

J.27. Force majeure

1. The Vendor shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
2. For purposes of this clause, "Force Majeure" means an event beyond the control of the Vendor and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the NIMS in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
3. If a Force Majeure situation arises, the Vendor shall promptly notify the NIMS in writing of such condition and the cause thereof. Unless otherwise directed by the NIMS in writing, the Vendor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

J.28. Termination for insolvency

NIMS, may at any time terminate the contract by giving 30 days written notice to the Vendor if the Vendor becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Vendor, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the NIMS.

J.29. Termination for convenience

1. NIMS, may at any time by giving 30 days written notice to the Vendor, terminate the Contract, in whole or in part, for its convenience. The notice of termination shall specify that termination is for the NIMS/ Purchaser's convenience, the extent to which performance of the Vendor under the Contract is terminated, and the date upon which such termination becomes effective.

2. The goods that is complete and ready for shipment within thirty (30) days after the vendor's receipt of notice of termination shall be accepted by the NIMS at the contract terms and prices. For the remaining Goods, the NIMS may elect to have any portion completed and delivered at the contract terms and prices at its discretion.

J.30 Governing language

The contract shall be written in English. All correspondence and other documents pertaining to the contract which are exchanged by the parties shall be written in same languages.

J.31 Applicable law

The contract shall be interpreted in accordance with appropriate Indian laws.

J.32 Notices

1. Any notice given by one party to the other pursuant to this contract shall be sent to the other party in writing or by email or facsimile and confirmed in writing to the other party's address.
2. A notice shall be effective when delivered or tendered to other party whichever is earlier.

J.33 Taxes and duties

The vendor shall be entirely responsible for all taxes, duties, license fee, Octroi, road permits etc. incurred until delivery of the contracted Goods/services at the site of the user or as per the terms of tender document if specifically mentioned.

J.34 Licensing considerations

The software supplied by the vendor will be used NIMS or its user's sites.

J.35 Protection against damages due to site conditions :

1. The system shall not be prone to damage during power failures and trip outs. The normal voltage and frequency range conditions available at site are as under:
    a. Voltage range 180 - 260 Volts
    b. Frequency 48.5 – 50.10 Hz.
2. The ambient temperature may vary from 10^0 C to 48^0 C. The relative humidity may range in between 10% to 95%.
3. The goods supplied under the contract should provide protection against damage under above conditions.

J36 Fail-safe procedure

The vendor should indicate in detail the fail-safe procedure(s) for the following :

1. Power failure
2. Voltage variation
3. Frequency variation
4. Temperature and humidity variations.

J.37.Training:

For each goods/hardware and software component installed, the Vendor may be required to train the designated NIMS and user personnel to enable them to effectively operate the total system. The training, if required, shall be given, as specified in the SCC at the locations specified. The training schedule will be agreed to by both parties during the performance of the Contract.

J.38.Site Preparation and Installation :

The Purchaser is solely responsible for the construction of the installation sites except where it is specifically required under bid document . The bidder will designate to perform a site inspection to verify the appropriateness of the sites before the installation of every goods/hardware related item.

J.39.Patent Rights:

The supplier shall indemnify the purchaser against all third party claims of infringement of patent rights, trade mark, and industrial design rights arising from the use of the goods or part thereof.

K. Special conditions

In case of conflict, the provisions of this section shall **OVER RIDE** provisions indicated elsewhere in the bid document.

K.1. Law and Language:

a. The Contractor shall keep a suitably qualified person at the site who is fluent in local language and is able to interact with local people.
b. In addition to this, any document, which is in any language other than English, shall be translated to English and certified.
c. The Contractor shall familiarize himself with the local laws and administration of Telangana and comply by them.

K.2. Right of Access to Site:

a. NIMS shall give right of access of Site to the Contractor within 15 days of the signing of the Contract Agreement.
b. The Contractor, after obtaining any necessary consent from any relevant authority, shall submit to the Designated Engineer/ Committee, proposals showing the layout of pedestrian routes, lighting, signs, and guarding any road opening or traffic diversion which may be required in connection with the execution of the works and which the Contractor intends to construct. Any consent given by the Designated Engineer/ Committee to such proposals shall not relieve the Contractor of any obligation under the contract or absolve the Contractor from any liability for or arising from such proposals or the implementation thereof.

K.3. Contractor's General Obligations:

a. The Contractor's proposals for erection of all ancillary and temporary works shall be in conformity with the proposals submitted along with the tender and modifications thereto as approved by the Designated Engineer/ Committee.
b. The Contractor shall submit drawings, supporting design calculations where called for by the Designated Engineer/ Committee and other relevant details of all such works to the Designated Engineer/ Committee for approval at least one month before he desires to commence such works.
c. Approval by the Designated Engineer/ Committee of any such proposal shall not relieve the Contractor of his responsibility for the adequacy of such works.
d. No extra payment will be made for complying with the provisions of this clause and the cost of such works shall be deemed to be included in the contract price.

K.4. Setting Out:

a. The contractor shall survey and fix the alignment, set out the PTS Lines maintaining vertical & horizontal clearances and keeping in view important site references and obligatory locations in consultation with Designated Engineer.(During 1st six months of Installation.
b. The Contractor shall establish at his cost, at suitable points, additional reference lines and bench marks as may be necessary.
c. The Contractor shall remain responsible for the sufficiency and accuracy of all his benchmarks and reference lines. He shall take precautions to see that lines, points and bench marks fixed by the Designated Engineer are not disturbed by his work and shall make good any damage thereto.

K.5. Safety Procedures:

a. The Contractor shall not disturb the on-going activities of the Institute. He shall take care that his activities do not result in any kind of accidents, spread of any infection etc. in the campus. At the same time he shall as well ensure that his personnel are safe and do not get any infection from the hospital activities.
b. The obligations and requirements for safety and industrial health under this Contract are entirely without prejudice to, and do not derogate from, the Contractor's statutory obligations, with respect to safety and industrial health.

K.6 Sufficiency of Contract Price:

The responsibility of Contractor under General Conditions of Contract is full and final and no claim by the Contractor for additional payment or extension of time shall be allowed on the ground of any misunderstanding or misapprehension by the contractor or that incorrect or insufficient information was given to the Contractor or that he failed to obtain correct and sufficient information.

K.7. Right of Way and Facilities:

NIMS shall provide right of way to the Contractor within its land for the purpose of executing the Contract.

K.8. Avoidance of Interference:

a. The Contractor shall maintain a safe environment for patients, personnel and public.
b. The Contractor shall ensure that his employees do not leave the Site at any time without the permission of the Enginee (During 1st six months of Installation).
c. The Contractor shall ensure that the vehicles, machines and equipment, which he uses, are safe and do not cause any harm to patients, personnel or public.

d. All equipment shall operate under all conditions of load without any sound or Vibration, which is objectionable and beyond the limits specified by the relevant laws. In case of rotating machinery sound or vibration noticeable outside the room in which it is installed or annoyingly noticeable inside its own room shall be considered objectionable. The Contractor at his own expense shall correct such conditions.
e. Existing roads may be used by the Contractor at his risk and cost to carry out construction activities with prior approval of the competent authority. The Contractor shall repair any damage to the road or bear the cost thereof due to movement of contractor's plants and equipment, vehicles etc., to the specifications and satisfaction of the Designated Engineer.
f. The Contractor shall plan transportation of construction materials to work site in accordance with traffic regulations enforced by local traffic authorities from time to time and in such a way that road accidents are avoided and minimum in convenience is caused. No claim whatsoever shall be entertained on this account. The transportation of certain equipment and materials and launching may not be possible during day and may have to be carried out within time schedule specified by traffic police.
g. The Contractor must note that the installation is to be done in a working hospital and ensure that no part of his works interfere or damage or cause harm to the existing activities of the institute.
h. The Contractor shall ensure that the noise levels are not high and do not disturb the patients inside the hospital and academic activities.
i. Proper barricading shall be provided to ensure the safety of works and public.

K.9. Contractor's Equipment:

a. For any imported equipment or part thereof offered by the Contractor, he will have to make his own arrangements for import formalities and procurement of equipment without involving the NIMS in any way for any clearance certificates/ licenses/ assistances.
b. The Employer may assist (but is not obligated to) the Contractor, where required, in obtaining clearance through the Customs for Constructional Plant, Materials and other things required for the Works.
c. The contractor The contractor shall obtain all permits / licenses and pay for any and all fees required for the inspection, approval and commissioning of their installation.

K.10. Protection of Environment:

a. The Contractor shall not cut or destroy any tree in the campus to the maximum extent possible. In case any tree is to be cut he shall obtain prior permission from the Designated Engineer and shall plant equal number of saplings or adhere to the requirements of the prevailing Environmental laws which ever is more stringent.
b. The Contractor shall use all means to minimize the effluents from his construction work and transportation activity or any other activity in the course of the Project.

K.11. Employer's Equipment:

NIMS shall supply no material, tools, plant and equipment. The Contractor shall arrange all tools, plant, equipment as well as the required construction materials.

K.12. Contractor's Operations on Site:

All construction debris shall be removed from site daily or as they accumulate. All surface and sub-soil drains at the site shall be maintained in a clean, sound and satisfactory state of performance.

K.13. General Design Obligations:

a. The contractor shall submit his preliminary design and or if required make 3D presentation NIMS/ Designated Engineer/ Committee.
b. If the Designated Engineer/ Committee has reasonable cause for being dissatisfied with the Contractor's drawings or documents, the Designated Engineer/ Committee shall within 10 days from the date of submittal, require the Contractor in writing to make such amendments thereto as the Engineer may consider necessary. The Contractor shall make and be bound by such amendments at no additional expense to the NIMS and shall resubmit the amended drawings or documents for the Designated Engineer's/ Committee's approval for the execution of Works.
c. No extension of time or extra payment shall be given to the Contractor to comply with the above.
d. Should it be found at any time after notification of consent that the relevant drawings or documents do not comply with the Contract or do not agree with drawings or documents in relation to which the Designated Engineer/ Committee has previously notified his consent, the Contractor shall, at his own expense, make such alterations or additions as, in the opinion of the Designated Engineer / Committee, are necessary to remedy such non-compliance or non-agreement and shall submit all such varied or amended drawings or documents for the consent of the Designated Engineer/ Committee.

K.14. Contractor's Documents:

The Contractor shall submit the following in addition to the documents stated in the contract, with his design:

a. Detailed drawings including the structural drawings (where necessary), component drawing etc.
b. Consolidated statement in a tabular form for the Standards and Specifications being followed in the design and for materials to be used.
c. List of vendors from whom the materials are proposed to be procured.
d. Tests required to be carried out in the contract.
e. Outline safety plan for the site and an outline quality plan.

The Contractor shall include in his design, in addition to operational needs, considerations of provisions for infection control, life safety, and the progress of the Project.
The Contractor shall satisfy himself that the Design Data, in the case of submissions up to and including the proposed Design, comply with the NIMS Requirements and is in accordance with, and incorporates the Contractor's Technical Proposals.
In the case of submissions subsequent to the proposed Design, the Design Data shall be in accordance with NIMS Requirements and the accepted Design.

K.15. Training:

a. The Contractor shall arrange training sessions for the Employer's Personnel for using the machinery and equipment especially the operation of the system and its components.
b. The Contractor shall submit to the Designated Engineer a draft copy of comprehensive operating instructions maintenance schedule and log sheets for all systems and equipment included in this contract. This shall be supplementary to manufacturer's operating and maintenance manuals. Upon approval of the draft, the contractor shall submit four (4) complete bound sets of rinted operating instructions and maintenance manuals.
c. The contractor shall also train the institute personnel, to operate the plant and carry out routine checks, during the period of installation and testing.

K.16. Working Hours:

a. No works shall be carried out in the nights except as permitted by the Designated Engineer under exceptional circumstances.
b. Lighting and Fire Protection: Where night working is permitted by the Designated Engineer to facilitate the Contractor's Work operations, emporary lighting equipment as per approved layout shall be provided, installed, maintained for the duration of the contract and removed after completion of work by and at the expense of the Contractor.
c. No extra payment will be made to the Contractor for the provision of temporary lighting and fire prevention measures.

K.18. Time of completion:

Within **6 months** from the date of contract signing.

K.17. Program:

a. Activities in the initial works programme would be arranged as per the Works Break Down Structure (WBS) of the work developed by the contractor in consultation with and approved by the Designated Engineer/ Committee.
b. The Contractor will prepare Programme based on Computerized CPM network using the Precedence Diagramming Method within 15 days of award for approval as

'Baseline Programme' The base line program shall clearly reflect interface and access dates for other civil/ system-wide contracts.

c. After the work has started, the Contractor shall deliver in the first week of every month to the Designated Engineer an update of the Programme showing changes, if any, in planning or progress scheduling and reflecting the progress of all the activities of the network and the project status as at the end of previous month.

Detailed Network Plan (Works Programme)

i. Detailed Network Plan shall be prepared by the Contractor for each and every activity within the same time frame and in the same sequence as indicated in the Baseline Programme. Activity

ii. at this level shall not be more than 15 days duration, except for summary items like procurement/ mobilization etc.

iii. The Designated Engineers Committees's monitoring team will have access to all the data/information of the Contractor, required for the assessment of the progress and monitoring. If necessary, the monitoring team will visit the Vendor/Contractor's works in order to assess

iv. the status of critical activities.

v. The Director NIMS or the Designated Engineer/ Committee will hold periodic Project Status Review Meetings. The Contractor shall depute his Engineers/Managers at appropriate level as decided by the Designated Engineer to attend the Review Meetings.

vi. The Contractor shall provide additional inputs whenever the PERT-CPM diagram indicates a possible slippage in the completion schedule. Such additional inputs may require supplementing of equipment, personnel, work in excess of the normal work per day, and work in excess of the normal work per week or other resources.

vii. General Conditions of Contract will be applicable in cases of delays due to Contractor.

K.19. Tests on Completion:

The Contractor shall in addition to the tests instructed by the Designated Engineer, carry out the tests on completion for the equipment installed in the different departments of the facilities after substantial completion of the project as per the manuals.

K.20. Post Payment Audit:

The NIMS reserves the right to carry out a post payment audit and/or technical examination of the Works and the Final payment including all supporting vouchers, etc., and to make a claim on the Contractor for the refund of any excess amount paid to him, if as a result of such examination, any overpayment to him is discovered to have been made in respect of any work done or alleged to have been done by the Contractor, under the Contract.

If any under payment is discovered, the NIMS shall pay the same to the Contractor. Such payments or recoveries shall not carry any interest.

Bid letter form

From: Date:
(Registered name and address of the bidder.)

To:
The Director,
Nizam's Institute of Medical Sciences,
Punjagutta, Hyderabad -500082
Telangana

Sir,

Having examined the bidding documents and amendments there on, we the undersigned, offer to provide goods/services/execute the works including supply, delivery and installation of goods in conformity with the terms and conditions of the bidding document and amendments there on, for the following project in response to your tender call No…….., dated .....

If our bid is accepted, we undertake to;

1. provide goods/services/execute the work according to the time schedule specified in the bid document,
2. obtain the performance guarantee of a bank in accordance with bid requirements for the due performance of the contract during warranty/maintenance period, and
3. agree to abide by the bid conditions, including pre-bid meeting minutes if any, which remain binding upon us during the entire bid validity period and bid may be accepted any time before the expiration of that period.
4. We undertake that in competing for the (and if the award is made to us, in execution) the contract, we will strictly observe the laws against fraud and corruption in India like but not limited to "The Prevention of Corruption Act 1988"
5. We understand that until formal contract is signed and executed, this bid and your notification of ward shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest or any bid you may receive, nor to give any reason for the rejection of any bid and that you will not defray any expenses incurred by us in bidding.

Place: Bidder's signature
Date: and seal.

Contract form

THIS AGREEMENT made the ..... day of ..... (year).. Between Nizam's Institute of Medical Sciences (hereinafter "NIMS") of one part and ..... (Name of Vendor) of ..... (City and Country of Vendor) (hereinafter "the Vendor") of the other part:

WHEREAS NIMS is desirous that certain goods, solution, service and materials, as described in the bid document and briefly outlined below, should be provided by the Vendor.

Date of tender call:

Title of the project:

Brief outline of the work:

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

In this agreement words and expression shall have the same meanings as are respectively assigned to them in the bid document referred to.

The following documents shall be deemed to form and be read and construed as part of this Contract, viz..

1. bid document(s)
2. pre - bid conference minutes if any,
3. clarification on bid document issued if any,
4. NIMS notification of award.

In case of conflict among documents mentioned above, the documents mentioned above in reverse order will prevail over other documents.

In consideration of the payments to be made by the NIMS to the Vendor as hereinafter mentioned, the Vendor hereby covenants with the NIMS to provide the goods and services (solution, service and materials) and to remedy defects therein in conformity, in all respects, with the provisions of the contract.

The NIMS hereby covenants to pay the Vendor in consideration of the provision of the goods and services and the remedying of defects therein, the contract price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

Brief particulars of the goods and services which shall be supplied / provided by the Vendor are as under:

Solution, service or material	Quantity	Unit price	Total Amount	Remarks

IN WITNESS whereof the parties hereto have caused this Agreement executed the day and year above written.

Signed, and delivered by	Signed, and delivered by
For the Vendor. Vendor's common seal: Place Date:	For NIMS NIMS common seal: Place: Date:

In the presence of:

Witness 1:

Witness2:

Annexure 1

Schedule:

Sl. No.	Work Description	Tender/ Processing Fee*	Bid Security/ EMD**
1.	Supply, Installation, Testing & Commissioning of Pneumatic Tube System Works with 7 Years Comprehensive Maintenance after completion of Warranty/ DLP (3 Years) Contract at **NIZAM INSTITUTE OF MEDICAL SCIENCES (NIMS), PANJAGUTTA, HYDERABAD, TELANGANA**	Rs. 10,000 (Rupees **Ten Thousand** only)	Rs. 10,00.000 (Rupees **Ten Lakhs** only)

***Tender / Processing Fee - Demand Draft only**

Tender must be accompanied by the Tender Fee through Demand Draft only in favour of **'The Director, NIMS',** issued by a reputable bank scheduled in India and having at least one branch office in Hyderabad.

****Earnest Money Deposit (E.M.D.) - Demand Draft only**

Tender must be accompanied by the Tender Fee through Demand Draft only in favour of **'The Director, NIMS',** issued by a reputable bank scheduled in India and having at least one branch office in Hyderabad.

Annexure 2

Technical Specifications

TO DESIGN ENGINEERING, MANUFACTURE, TEST, SUPPLY, HANDLING, INSTALLATION, TESTING & COMMISSIONING OF COMPLETE PNEUMATIC TUBE SYSTEMS WITH 7 YEARS COMPREHENSIVE MAINTENANCE CONTRACT AFTER COMPLETION OF DLP (WARRANTY) IN COORDINATION OF ALL CONTRACTORS WORK AT NIMS, PUNJAGUTTA, HYDERABAD.

1. GENERAL

This specification is for the supply, installation and commissioning of a fully intercommunicating pneumatic tube transport system, to serve various locations on the site, as detailed in this specification and the accompanying documents. The specified equipment should be modular and may be expandable as required without realistic limit.

2. STANDARDS

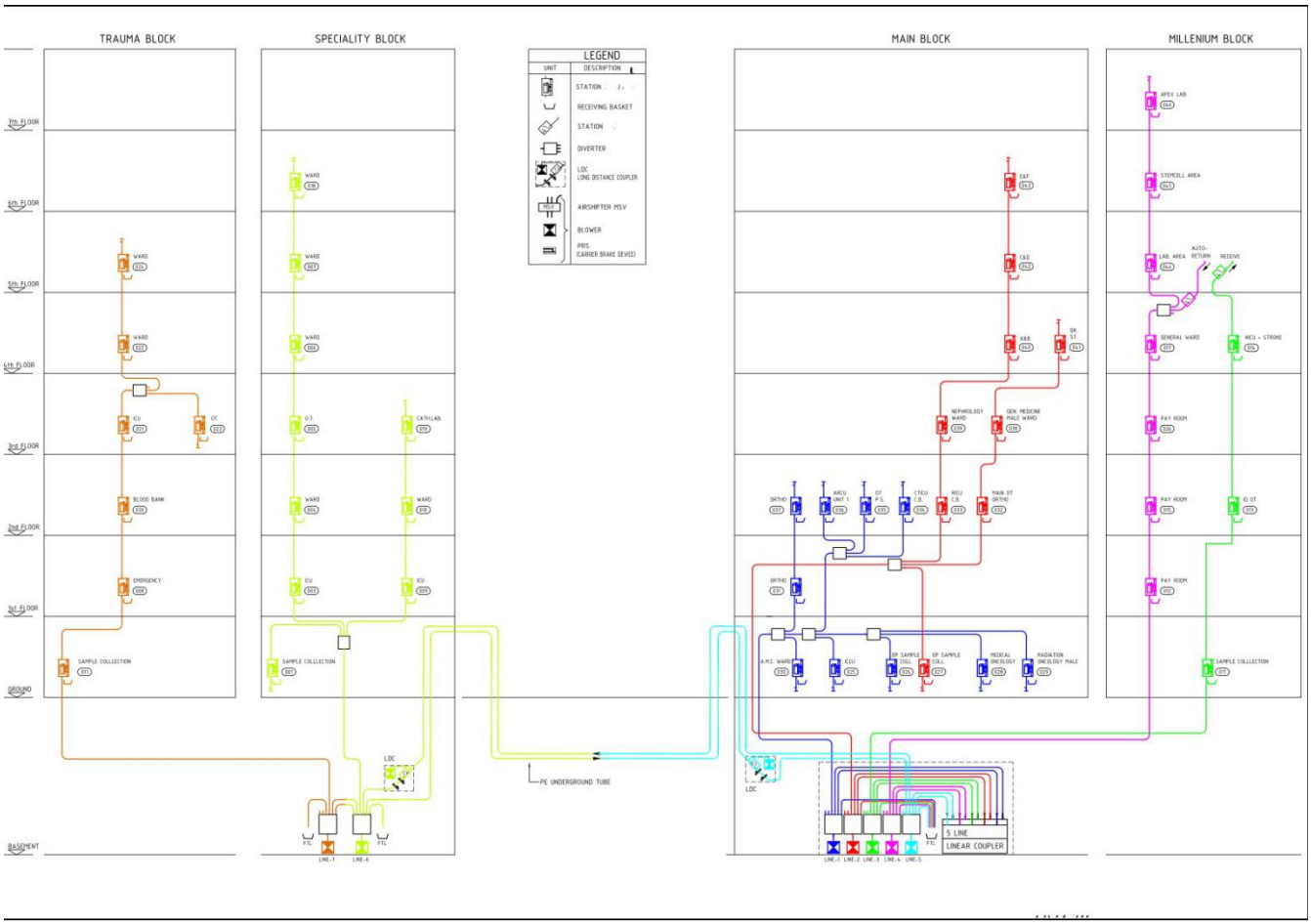
The equipment supplied shall conform with all relevant standards and regulations in force, and will be in accordance with Health Technical Memorandum 2009. The equipment should carry the CE mark and shall be supplied with relevant Declarations of Conformity to certify compliance with the EMC directive 89/336/EEC-92/31/EEC and the Machinery Safety Directive 89/392/EEC91/368/EEC-93/44/EEC.

3. PERFORMANCE

The system should be capable of transporting various liquids, solids and documents up to a load of 5kg (160mm system) at a speed of 5-6m/s. The system shall be capable of transporting all the items advised within a specified time limit. The overall performance and percentage usage of the system’s capacity during a normal working day can be demonstrated.

4. LOCATION OF STATIONS

The tender price is for stations to be installed at the following locations: [as per drawing]



5. ROUTE

The route will be in accordance with the site survey and schematic layout.

6. MAIN CONTROL UNIT

The control unit shall be a self-contained integrated microprocessor based controller unit. The system software shall be permanently loaded in ROM to ensure stability in operation. The controller should control up to 5 individual systems (zones) and multiple controllers can be linked for systems up to 25 zones.

Features

The system should use Safety Extra Low Voltage (SELV) throughout, except for mains power to controller, exhausters, and occasional data and power amplifiers. There should be no mains power at stations to ensure operator safety where liquids are transported. The cable should be double shielded to comply with the relevant EMC regulations.

The system should use multi eye optical carrier detectors, rather than mechanical switches.

Positioning sensors in diverters, stations, etc should be electronic rather than mechanical. The software should be adaptive and designed to automatically self-adjust and intelligently position the moving components of the system to ensure reliability.

The control software should continuously monitors all sensors, switches, motors and other components, and give early warning should the performance of any component start to degrade. This is to enable maintenance to be carried out prior to absolute failure and keep system downtime to an absolute minimum.

The controller shall have serial RS232 ports for PC/Modem/Printer connection.

The controller shall have a voltage free contact which may be connected to the Building Management System to warn of an alarm status.

The controller shall be connected to the fire alarm system to enable the pneumatic tube system to be automatically shut down in the event of a fire. It can be selected that the current dispatch within a system will continue to its destination before shut down occurs. No new dispatch should be accepted after alarm has been triggered until alarm status has returned to normal.

The controller should continuously display an overview in real time of the exhauster and system status, carriers waiting for dispatch and transactions in progress. The controller should display the location of the carrier through the system whilst a transaction is in progress.

The controller should have a real-time clock

The controller should have a built in lithium battery which retains the system memory and status in event of a power failure or when the system is switched off. The system can be reinstated with minimal intervention in the event of power failure.

In the event of a fault, the controller should display a suitable alarm report detailing the transaction in progress at the time of the fault, the fault status, the location of the carrier, and the actual component or unit which caused the failure. Should the alarm condition have caused a partial or full shut down of the system the limitations of use shall be displayed.

Alarm reports should be generated for the following reasons:

Carrier failing to arrive at a specified check point within a reasonable time. (carrier overdue)

Failure of any system component to achieve a desired state or condition within an acceptable time period.

Control system shall be ready for any future upgrades. Shall be capable for detecting and clear fault conditions like power failure, time out, and operational errors automatically without manual intervention.

Control system shall be capable of customized programming with features including (but not limites to) priority selection, adjusting speed, shutting-down a work station, tracking of carriers.

Control system shall have individual power backup facility. Supplier to provide all required hardware and software for the control system

Soft & hard ware part of pneumatic tube system shall be capable for single/ multiple carrier send/ receive functions, event logs, testing functions.

Software shall have various statistical features including (but not limited to) traffic data, number of transports, itemized cost analysis and billing

7. OPTIONAL PERIPHERAL DEVICES

The system could optionally be connected to:

An IBM compatible PC for sophisticated data analysis and/ or as a remote control position for the system controller. When used for remote control the PC shall mimic the controllers display and shows system information and operation in real time.

A printer to provide a permanent transaction record and a printout from the management programme.

LAN Connection with Internet connectivity

A system control in conjunction with a PC, over the internal or external telephone network. This facility shall provide for first line maintenance to be carried out off-site.

8. MANUAL CONTROL AND USER DEFINED SYSTEM VARIABLES

Operations and maintenance personnel should have manual control over the system via the controller's and/or PC's keyboard and display. Entry to the system control shall be security protected. The system control should provide the following facilities:

Removal of stations from service

Removal of diverters from service

Removal of routes from service

Removal of systems from service.

Manual control of all system components; motors; indicators etc. for maintenance testing.

Status display of all system components, switches, sensors, detectors.

Part or full system purging.

Setting of station priorities by both send and/or receive.

Setting of station default addresses.

In addition, the controller should allow for easy system programming through the keyboard to allow for additional stations, arrival alarms etc.

9. SYSTEM OPERATION RECORDING, ANALYSIS AND MANAGEMENT

The controller should have an internal memory which as standard records full information of the last 5000 transactions, preferably total transactions with no limit.

The contents of the built-in memory shall be downloadable to a printer or PC.

The printer or PC could be left on-line for a continuous record of all transactions and other system information. The record should show: Time of despatch, duration of transaction, route of transaction. any alarm conditions and optionally (with touch-key facility) the name of the station user.

Management software should be installed for sophisticated data analysis.. A permanent record off all transactions should be retained with no limit. This record could be presented in various tabular, text and graphical formats and could be printed selectively. In addition to list and tabular formats showing number of transactions by station and route, the management programme should display in graphical form system usage by percentage capacity through each hour of the day, station usage and system usage.

10. STATIONS

Stations should be of a front-loading design, feed through station with safety door and carrousel and manufactured from hygienic materials. The keypad should be of the wipeable membrane type. Carriers should be loaded through smoked acrylic door on the front of the station with a micro switch to identify carrier presence..

The station should be capable of detecting strange object by RFID of each carrier.

The design of stations should comply with the latest health and safety regulations. Access to the station mechanism should be protected by the interlocked guard door. This is to ensure no person can reach hazardous mechanisms.

The siting, location and mounting heights of all stations are to be agreed with the supervising officer prior to installation.

All stations to have a micro switch to ensure no over loaded carriers are used for transport by system

Features

The stations in built LCD display should show:

Time and Date

Carrier destination

The station the last carrier arrived from.

Station status: -Ready, Selection OK, Out of use, Maintenance, Faulty, Invalid address, Purge.

The stations indicators should display:

Carrier being despatched.

Carrier incoming.

Carrier arrived at destination.

System busy

System faulty.

Stations should be fully automatic, and capable of accepting a carrier when another carrier is incoming to that station.

Destinations shall be addressed by the use of a three-digit number or by accessing the station name through the directory.

Destinations may be restricted.

The destination setting could be optionally set to return to one of three settings after a carrier has been sent:

Force new address input.

Default to a preset address.

Default to "last number redial"

Wrongly addressed carriers or over-loaded carriers should not be accepted by the system.

All stations shall be fitted with sophisticated air control to ensure carrier soft arrival. The soft arrival system in stations may rely on sensors or valves and should ensure failsafe soft arrival, even with worn out carriers

Stations should be designed so that they may be installed in a manner which allows only a very small amount of system air to be discharged into the laboratory with the carrier. Similarly, a carrier being sent from the laboratory should only allow the ingress of a similar amount of laboratory air into the system. This is to ensure that the air quality within the laboratory may not be affected by the installation of the pneumatic tube system.

The station should attempt to automatically clear and eject a blocked carrier exit by agitating the station mechanism. In case of failure to do so, it should be possible to do so either offline from remote service station or on site.

The Lab Station could be set to automatically identify and return a carrier to home station with a single keystroke, all carriers to have RFID chip

Arrival Basket

Each station should be provided with a carrier arrival basket or cabinet of sufficient size to accommodate the number of carriers allotted to the appropriate station. The basket must be fixed under the station and prevent carriers to block the exit of the station and thereby system line. A lockable variant of the basket must be available for public areas.

Return to sender

The stations must be equipped with a 'return to sender' button/ touch key. Stations must have the capability of automatically returning the carrier to the sender once the receiving party removes the items he/she receives and places the carrier back in the station.

11. SECURITY

Carriers could be secured during both the send and receive operations.

Optionally carriers could be received into a secure receiving cabinet accessible only by key lock or digital PIN code. In addition, arrival signal units could be programmed to discriminate to different user addresses, thereby allowing urgent full carriers to be immediately notified to the user, whilst allowing no alarm for empty returns. It should be possible to prioritize all transaction in the entire system by station address.

Optionally use of the station could be restricted by a user identifiable touch key. This feature is to allow only authorised users access to the system, and record each individual user by name.

12. CARRIERS

The carrier must be made from impact resistant and fixed shape plastic. The middle body should be transparent so as to enable the user to check the content for spillage before safely opening the carrier. The special soft transfer rings must also be moist resistant. Carriers should be durable, sterilizeable, should be suitable to transport liquid samples like blood, urine and tissue samples. They should be provided with a swivel lid that guarantees the best closure. The carriers should also be provided with several locking/sealing mechanisms and a RFID chip for automatic homing and/or track & tracing. All carriers should be equipped with a RFID/RCI chip to enable carrier recognition.

Swivel lid

All carriers must be swivel-top opening with a hinge to allow full access to material inside. Flip- top or screw opening is not acceptable.

Certified leak-proof

The leak-proof carrier must be certified by a notified body.
The system must be provided with certified leak-proof carriers that can only be sent in the system when locked/closed for 160mm systems.
The carrier should be specially designed so that it can only be sent in the system when

properly closed. This is to ensure a carrier cannot open during transfer.

Characteristics:

- Large colour and size variation should be available
- Easy to open and close
- Lockable by using an optional insert lock with key
- Leak-proof (certified), cannot be sent in the system when not closed
- Should have RFID/RCI carrier recognition chip
- Easy to cleanable and sterilizeable
- Special purpose cleaning carrier
- Swivel lid to guarantee the best closure
- Durable made from impact resistant and fixed shape plastic.
- Transparent middle body to enable checking of content before opening
- Should have soft transfer rings that are moist resistant

RCI/RFID chip

All carriers provided with the system should be RCI/RFID ready.

Construction material

Each carrier body must be made of transparent impact resistant and distortion free moulded polycarbonate. The carrier should have humidity proof guide rings to move smoothly, rapidly with a minimum noise within the system.

Color code

Carrier must be color coded for each department, identification of specific users is required by the infection control officer.

Sterilizing – autoclave

All carriers must be sterilizeable (autoclave 10 min at 120°C).

Carrier acceptance

The system should not accept Leak-Proof carriers that are not closed.

13. TUBING

The installation shall be carried out using specially IMPORTED manufactured rigid uPVC tubing to DIN 8061/62. All joints, clamps sleeves must be imported only (Local items not to be mixed and used)

Where tubing passes through a wall or floor the integrity of the fire rating should not be reduced. Intumescent (crushing) type fire sleeves shall be installed at all such points.

The tubing shall generally be installed at high level. The exact routes and positioning of tube work and associated equipment should be agreed with the engineer prior to work commencing.

The PVC-U tubing should be imported and adequately supported with suitable imported clamps and zinc plated rods attached to suitable fixing anchors

Tubing should include cost of cable and other mounting accessories as required for networking between pneumatic stations.

It should have good physical strength of 50-55N/mm, general medium density, water absorption during 24 hrs should be 0.03% and combustibility self-extinguishing

Heat conductivity should be 0.16W/mK

Straight tube should have minimum one fixing clamp for every 2 meters

The bend should have minimum one fixing clamp at every end

The offset should have minimum one fixing clamp at each end

Expansion joints
Expansion in the tubes must be corrected by using expansion joints, based on the length and Environment temperature range of the system.

Future system expansion
The installation design of tubes, bends and sleeves shall permit assembly and disassembly to facilitate future alterations and additions to the system

14. DIVERTERS

The location and siting of diverters will be agreed with the engineer prior to installation. Diverters shall be mounted using suitable fixings as agreed with the civil department.

The installation should be carried out using either 3 way or 6 way diverters so as to allow for the future expansion of the system.

The diverters should be especially designed for very intensive use and have a very long life cycle. All diverters should be protected with plastic plates and equipped with a self-controlling and self-adjusting positioning mechanism that prevents the diverter to jam or lock.

The drive mechanism must be direct gear driven (3-way) or timing belt (6-way). All diverters must include maintenance-free parts, such as the complete gear and chain mechanism, all bearings, self-adjusting seals and failure-free reed contacts. No vulnerable parts are to be used.

Standards and safety:
All diverters must meet the European CE standard for mechanical engineering, the EMC standards for electronics and printed circuit boards and meet the IP40 standard. Transport should be shockproof and suitable for e.g. blood or other bio-hazard sample transport.

Safety Extra Low Voltage:
The diverters should use the main system cable as power supply (SELV – 24/42 Volt DC). This is to ensure that the diverters have low energy consumption, do not need for external power supply and to prevent electrical shock.

Characteristics:

- Silent and shockproof transport, suitable for blood transport and other biohazard materials
- Designed for intensive use
- Should have long lifespan
- Should have Compact dimensions to permit installation at many places
- Easy to install
- Include maintenance free parts
- Low energy consumption
- Meet the CE guideline 2006/42/EC for mechanical engineering and the EMC standard 2004/108/EG.

Self-controlling and adjusting
Diverters must be fitted with a self-controlling and self-adjusting positioning mechanism that prevents the diverter to jam or lock.

Design: Minimal shocks, noise and vibrations mounting direction
Diverters must move carriers from one tube to another within the system with a minimum of shock, noise and vibration in accordance with the required destination of the carrier. Diverters must be able to be installed horizontally and vertically.

Design: Minimal service parts
Diverters drive mechanism must be direct gear or belt driven; a chain drive is not acceptable because of maintenance reasons.

15. INTERCHANGE (LINEAR COUPLER/ ZONE TRANSFER UNIT)

Where two or more systems form a network the individual systems should be connected together using a system interchange. This is to allow carriers to be transferred from one system to another.

Dependant on the type of system layout different types of interchange should be offered. All should provide for the following operational requirements.

Transfer of carriers from one system zone to another.

Temporary storage of carriers to allow a sending zone to immediately start another transaction without waiting for the receiving zone to become free.

Transfer of priorities across the system interchange. i.e. a priority receive address will take priority no matter which system zone the carrier is sent from.

The interchange should process carriers in any sequence to allow for priorities. It should not rely on a "first in, first out" stacking system.

Main block and Speciality block should be connected through long distance coupler/ power line etc.

Long Distance Coupler/ Powerline:

A long-distance coupler must make use of 2 tubes, onesuction and one pressure tube. The coupler must make use of a continuous air stream in both tubes, in which arriving carriers are continuously inserted, up to 5 carriers per tube. A continuous air stream is to eliminate a batch waiting line and ensure the most efficient/ faster way of transporting carriers over a long distance.

16. BLOWER (3-PHASE HEAVY DUTY FOR PRESSURE & SUCTION AIR)

Each blower must be a heavy duty industrial 3-phase blower with a fully adjustable positioning valve, to provide one system line with variable suction and pressure air. (Frequency controllers are not allowed for controlling the airflow)

Blower Energy management – Each blower should operate only during carrier transaction and remains idle when no carrier is being transported.

Silencer(s) – Each blower and the direct fitted air tubes must be fitted with a silencer(s) for less noise emission.

Thermal Protection – Each blower must be fitted with a contractor and thermal protection.

17. STATIC ELECTRICITY

The system should be designed to minimise the build-up of static electricity and facilities should be provided to safely discharge to earth, such that neither system malfunction nor nuisance is caused.

18. CONDENSATION

The system should be designed to minimize the potential for condensation caused by the movement of warm wet air through cold tubes. The location of air inlets shall be designed to reduce the potential for large temperature reductions on the air within the system, both during the systems peak operation periods, and during times when the system is only lightly used.

19. AS FITTED DRAWINGS AND MANUALS

Two sets of as fitted drawings shall be supplied, together with a comprehensive operation and maintenance manual for the system as installed. These manuals shall

contain in sufficient detail, the procedures for operation and maintenance schedule for all components

20. RISK MANAGEMENT

High risk samples: Slow speed sending
For high risk and sensitive sample sending's, the system must include a control device for automatic reducing the carrier transport speed to an acceptable level. This must be available on the control unit and on the station itself by selecting a button, or it must be automatically predefined by selecting a certain address that requires a slow speed transfer.

Strange object detection
The system (with RCI/RFID) must recognize when strange objects (other than a carrier) is put in the system and give an alarm.

Authorized sending and receiving
The system must allow authorized sending and receiving of carriers by recognizing staff (touch key/ push key) and carriers (RFID / RCI).

Unauthorized access
In order to prevent unauthorized access to carriers waiting for transport or for being picked up, all front loading stations must be equipped with a transparent automatic lockable door that can be opened with a touch key/push key.

System password protection
The configuration software and the control unit must have password protection; it ensures a high level of protection against unauthorized access to system configuration

21. OPERATIONAL UPTIME

Power failure: System protection and recovery
The system must be protected against power failure and be able to carry out all the uncompleted tasks / processes after power is restored. The system must also be equipped with automatic fault detection, automatic recovery capability.

Operational during unavailability
When a single station or line is unavailable, the station or line must be isolated and limited without affecting the operation of the rest of the system. e.g. unavailability because of upgrading / maintenance.

Operational during configuration
It is crucial the whole system stays operational during the following proceedings in the control unit:

a. Remote and on-site (re)configuration of system settings/parameters
b. Remote and on-site service and maintenance

System self-service: Automatic purge
The system is capable of carrying out an initial automatic purge per system line in an attempt to clear a blockage or sticking carrier, with the sticking carrier being purged to the source station. If this initial purge operation fails, the carrier must be diverted to a pre-designed (fault) station. If the second purge operation fails, a manual reset must be required.

Direct IP connection with technical support
The system (control unit) must be directly IP connectable with technical support for remote servicing and support.

22. CONTAMINATION PREVENTION

High risk sample handling: Certified leak-proof carrier
Any high risk samples must be transported in a leak-proof carrier that must be certified by a notified body. The system must be restricted to accept leak-proof carriers that are not locked / closed.

Carrier disinfection
All carriers must be sterilizable according to the modern cleaning/ sterilizing methods the hospital uses.

Restriction of carrier destinations
The system must provide the functionality to restrict users/ stations from sending carriers to particular station(s) within the system.

User interface: Wipeable membrane, keypad with display
Each station must have a user interface in the form of a wipeable membrane keypad with a 4 line LCD display that is easy to clean.

Contamination cleaning: Procedure supplied
In case of contamination in the system, e.g. spillage of bio hazard material, the system must be cleanable according to the local contamination regulation in force or contamination regulation from the HTM guidelines or WHO (World Health Organization).

23. SYSTEM MOUNTING & INSTALLATION

System route according to issued layout
The route must be in accordance with the issued drawings and schematic layout. (Prepare route with a medical PTS specialist).

Location tubing route
The tubing route should be installed in ducts and ceiling voids if space is available. If the tube has to be routed externally or in hostile environments, it must be protected and insulated to reduce the risk of damage or condensation. The exact tube route, positioning and equipment must be agreed with the engineer prior to installation.

Tube installation
All tubing must be installed straight, level and plumb with the building structure in a satisfactory manner and shall be braced against excessive motion under peak load. PVC-U tubes must be supported at approximately 1500mm intervals, except if stated otherwise.

Mounting materials
The tubing shall be adequately supported with suitable clamps and zinc plated rods attached to suitable fixing anchors.

Location blowers
Blowers must be located and installed in a clean environment, isolated from areas in which patients stay, free from any dust, vegetation, waste, rubbish, builder's debris and any other possible source of contamination.

Blower vibration dampers
A blower must be mounted with vibration dampers to the wall or floor.

Electrical installation: Power and data cable
The cable for powering the system and transporting data must be one integrated protected cable that is fitted with special strap connections to the tubing.

24. OVERALL SYSTEM CHARACTERISTICS

Full system performance simulation
The overall performance of the system during normal working days should be fully simulated and shown before installation.

Language(s)
The main system language for stations and the control unit must be English.

Transporting liquids and solids up to 5kg
The system must be capable of transporting various liquids and solids with minimum load of 5kg.

Velocity: Up to 6 m/s Slow speed option
The system should be capable of transporting loaded carriers up to 6 m/s with the option to also send with a lower speed.

Maximum delivery time:
The system should transport loaded carriers through the system with a maximum delivery time of **2** minutes. A maximum time is set to ensure carriers are not indefinitely parked in the system.

Shockproof transport
The system should transport loaded carriers shockproof through the whole system. Carriers should be accelerated and decelerated smoothly without subjecting to shock violent agitation or excessive vibration. The vendors should produce a report showing that their system is able to handle all types of laboratory samples without damaging them.

Air brake type: Air column technique
Carrier deceleration on arrival at the destination station should be carried out using the 'air column technique'. This is to ensure that an approaching carrier activates a pressure release device and is braked by a still column of air above the station.

Priority sending's: Free programmable
The system should be able to send / receive priorities for each station which ensures that urgent items are handled with minimum delay. The level of priority must be freely programmable without realistic limitations.

Central reject collection
The system must have one centralized reject station that is located at the laboratory.

Modularity
The entire system must be modular in design, so it can be modified and/or extended as and when required later by the hospital.

Minimal service: Maintenance free parts
The whole system must require minimal service by using maintenance free parts, such as: complete gear mechanisms, all bearings; self-adjusting seals and failure-free reed contacts.

26. SYSTEM COMPONENTS

Connection with Building Management System
The control unit must be connectable to the building management system by a potential-free contact (hard) to report system failures.

Laboratory stations: Upward receiving
In laboratory stations the arriving carrier must be received upward into the station, thereby ensuring that carriers are not accelerated due to gravity in the event of failure of the soft arrival system. This system is to ensure total safety of even delicate glass samples.

Laboratory stations: High volume bench arrival
High volume receiving locations, such as the central lab station, must be fitted with a bench arrival station that automatically pushes individual carriers on a rail bench.

Laboratory stations: High volume receives and sends

High volume sending locations, such as the central lab station, must be fitted with a separate receive and send station each with its own line. One line for receive and send is not accepted.

Air pressure regulated rooms: Air balance neutral

Stations used in air pressure regulated rooms (e.g. OTs) are not acceptable if they add or extract air from these rooms.

Tube switch:

1. Optical
2. LED indicator
3. Insensitive to light

Optical tube switches with LED functioning indicator must be used to scan the passage of carriers, mechanical tube switches are not accepted because of a shorter life span. The tube switch is not acceptable if sensitive to daylight or any form of artificial light.

27. MAINTENANCE AND TRAINING REQUIREMENTS FOR SYSTEM MACHINES AND EQUIPMENT

The contractor shall maintain the system during the warranty & CAMC period. The contractor shall see to it that all warranty and guaranty cards are properly filled and duly submitted to the employer.

The contractor shall train the staff of the employer for running the system. The contractor shall make arrangements for demonstration & trail run before commissioning of the system

Training

The training shall include training of:

1. Technical staff
2. Users

Included in this tender is the training of users and technical staff responsible for operation and maintenance of the system. The training of technical staff must draw special attention to:

a. The prime function of the system.
b. The intended method of operating the system.
c. Problems and hazards that can arise from failing to follow the agreed operating, monitoring and maintenance procedures.
d. The danger of making unauthorized modifications, alterations or additions to the system as well as the possible legal consequences.
e. The procedure to be followed if it is suspected that the system is no longer operating correctly.

28. COMMISSIONING & TESTING

All stations shall be checked in accordance with the "Station test and commissioning" checklist that is part of the testing and commissioning procedure for medical pneumatic tube systems

Tests after completion

After completion of the project, the employer may carry out the tests after completion, which shall be carried out under normal operating conditions to assure that the system performs well under normal operating conditions.

These tests include but not limited to:

1. Running of equipment and system as a whole to a minimum of 30 days
2. System specific tests and equipment specific test
3. Any other test which the employer intends to carry out to check the stability and reliability of the system

Any defects if pointed out in tests after completion shall be rectified at contractor's expense and within time as deemed reasonable by the employer.

Unit Price should be quoted for every item and should be fixed for 5 years so that additional stations/ other items can be purchased and this will be considered as rate contract.

The principal company (in case of merger/selloff) will be responsible for the support and installation and a certificate to this effect should be provided.

Support (Warranty) shall be provided for 3 years post installation & commissioning and will be included in bid price. The vendor should also quote for additional CAMC for next 7 years (4^{th} – 10^{th} year).

Price bid should consist of Turnkey solution (Including all electrical, mechanical and civil work with 3 years warranty) and additional 4^{th} – 10^{th} year CAMC.

One Service Engineer shall be deployed by the vendor for the duration of the contract (including CAMC period), who will be stationed in NIMS premises during office hours. The vendor should also provide 24x7 support in case of any issue with the system.

Annexure 3

Bill of Material (BOM)

S.No.	DESCRIPTION	UNIT	QTY
A	B	C	D
	The Complete system and related accessories should be only Imported.		
1	**TUBE SYSTEM DIAMETER 160MM**		
	Supply, installation, testing and commissioning of NW160mm diameter PVC Tube including all fixing accessories like nut, bolt, anchor fastener, making hole in brick, AAC Block, RCC wall/slabs , core cutting & related civil / Electrical works and all other necessary fittings as per site requirement & as per direction of EIC. The rate should include all lead & lift at all floor levels & locations.		
a	Disp Tube NW160x3.2, NW160 PVC Grey, Standard delivery length 5m.	Mtr.	2530
b	Disp Bend NW160x3.2, OD 160 R-800 PVC grey color.	Nos.	360
C	Connecting sleeve NWOD160 PVC.	Nos.	1098
d	Pipe ring basic NW160 D160 MB.	Nos.	2025
e	Control cable 3x2x0.6 (Power + Data)	Mtr.	2200
F	Fiber Optic Cable for Underground connection.	Mtr.	600
g	Tube adhesive PVC	Can	80
h	Solvent for PVC.	Can	40
2	**PC - CONTROLLER**		
	Supply, installation, testing and commissioning of fully automatic computer-controlled controller. The PC should serve as a control and supervising centre for controlling and monitoring all transmissions within the system on a real-time basis. The proposed computer system should be of the latest version with minimum system requirements equal to the requirements for the installed Windows version/ operating System with minimal **120GB HDD, DVD** recorder and player, Ethernet card and a flat screen of reasonable size (minimum 19") including the following-:		
a	Software	Nos	1
b	Power supply/ Interface	Nos	8
C	Software for analysis of transaction details & also carrier - Track & Trace facility	Nos	1
d	Ethernet Switch 10/100 Mbps 8 port	Nos	2
e	Cable UTP - CAT 5 cord 5 mtr	Nos	2

3	**STATIONS**		
a	Supply, installation, testing and commissioning of **Modern Automatic Front Loading Stations** with a carousel and a motorised transparent smoke acryl safety door, made by ABS/ GI/ fiber (Complying with latest health and safety regulations) including all fixing accessories like nut, bolt, anchor fastener, making hole in brick, AAC Block, RCC wall/slabs , core cutting & related civil / Electrical works and all other necessary fittings as per site requirement & as per direction of EIC . The access to the stations mechanisim should be protected with the interlock guard door. This is to ensure no person can reach hazardous mechanisms. The rate should include all lead & lift at all floor levels & locations.	Nos	46
b	Supply, installation, testing and commissioning of **Laboratory Stations with automatic empty carrier return**.	Nos	2
C	Supply, installation, testing and commissioning of **Laboratory receiving stations** (receiving rail bend R=650, Receiving rail extension minimum 1m NW160, Receiving Valve Lab, Air Valve [Diode] etc. Including all fixing accessories like nut, bolt, anchor fastener, making hole in brick, AAC Block, RCC wall/slabs , core cutting & related civil / Electrical works and all other necessary fittings as per site requirement & as per direction of EIC. The rate should include all lead & lift at all floor levels & locations.	Nos	4
d	Supply, installation, testing and commissioning of Stations Box	Nos	4
4	Supply, installation, testing and commissioning **of Optical Tube Switch LED functioning indicator** to scan the passage of carriers, mechanical tube switch are not acceptable because of a shorter life span. Including all fixing accessories like nut, bolt, anchor fastener & related civil / Electrical works and all other necessary fittings as per site requirement & as per direction of EIC. The rate should include all lead & lift at all floor levels & locations.	Nos	6
5	Supply, installation, testing and commissioning of **Stations Receiving basket with soft arrival leather bag** Including all fixing accessories as per site requirement & as per direction of EIC. The rate should include all lead & lift at all floor levels & locations.	Nos	46
6	Supply, installation, testing and commissioning of **Lab samples holder** to secure the blood transportation to protect from haemolysis in samples, including all fixing accessories as per site requirement & as per direction of EIC. The rate should include all lead & lift at all floor levels & locations.	Nos	50
7	Supply, installation, testing and commissioning of **linear coupler / zone transfer unit** connects up to 5 lines in the system using a linear coupling or zone coupling technique, maximizing system capacity up to 500 carriers per hour. The linear coupling unit must have a storage area to take waiting carriers from the line, thereby clearing the line for other traffic. Including all fixing accessories like nut, bolt, anchor fastener & related civil / Electrical works and all other necessary fittings as per site requirement & as per direction of EIC. The rate should include all lead & lift at all floor levels & locations.	Nos	1

8	**LDC (Long distance coupler) / power line.** A long distance coupler must make use of 2 tubes, one suction and one pressure tube. The coupler must make use of a continuous air stream in both tubes, in which arriving carriers are continuously inserted up to 5 carriers per tube. The continuous air stream is to eliminate a batch-waiting line and ensure the most efficient/fastest way of transporting carriers over a long distance	Nos	2
9	**DIVERTORS**		
a	3-way diverter NW160	Nos	8
b	6 Way diverter NW160 or 4 Way as per the design.	Nos	7
10	Supply, installation, testing, commissioning of **Additional Power Supply** Each separate line is linked to the PC by interface network, working with fixed.	Nos	5
11	Supply, installation, testing, commissioning of Steel sleeve NW 160 L100.	Nos	130
12	**BLOWER UNITS / ACCESSORIES**		
12.1	Supply, installation, testing and commissioning of 240 /415V 50/60Hz minimum 4.6kw Blower with three-phase-motor, heavy duty maintenance-free motor operated, immediate air-reversal for pressure and vacuum operation (without changing the direction of the motor-rotation). With automatically zero position for pneumatically deceleration. Built-in silencer, fully enclosed compact-construction, as a standard for floor installation or with console for wall-mounting. The air-supply of the system and a transport speed should be at least 6 m/sec. Including all fixing accessories like nut, bolt, anchor fastener & related civil / Electrical works and all other necessary fittings as per site requirement & as per direction of EIC. The rate should include all lead & lift at all floor levels & locations. Note:- No diverters allowed to change the air direction, each system line has only one blower!	nos	7
12.2	Supply, installation, testing, commissioning of Connecting accessories (Vibration absorber, Contractor, Thermo relay, Anti Interference set, Multi positioning Valve, Silencer , Elbow & Carrier Brake device). Including all fixing accessories like nut, bolt, anchor fastener & related civil / Electrical works and all other necessary fittings as per site requirement & as per direction of EIC. The rate should include all lead & lift at all floor levels & locations.	Set	1
13	**CARRIER**		
13.1	Supply, installation, testing and commissioning of Carrier with Colour coding to define the transportation of the material [BLUE; GREEN; RED; YELLOW]	nos	192
13.2	Leak proof Carrier for Urine samples and other infected samples	nos	5
13.3	Identification Chip for Carrier (Transponder)	nos	384
14.4	**AIR SERVICE ACCESSORIES**		
14.5	Supply, installation, testing and commissioning of Air tube; Air Sleeve, Elbow, Clip Still & Air Reduction.	Set	1
15	**INSTALLATION ACCESSORIES**		
15.1	Supply, installation, testing and commissioning of Threaded rod M8, Tie Wrap, Nut, Bolts etc.	Set	1

Annexure 4
Performance security form

(To be issued by a bank scheduled in India and having at least one branch in Hyderabad)

To,
The Director,
Nizam's Institute of Medical Sciences,
Punjagutta, Hyderabad -500082, Telangana

WHEREAS ..... (Name of Vendor) hereinafter called "the Vendor" has undertaken, in pursuance of Notification of Award dated, ... (Date), to supply ..... called "the Contract".

AND WHEREAS it has been stipulated by you in the said Contract that the Vendor shall furnish you with a Bank Guarantee by a recognised bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

WHEREAS we have agreed to give the Vendor a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Vendor, up to a total of Rs. .....(Rupees.....) and we undertake to pay you, upon your first written demand declaring the Vendor to be in default under the Contract and without cavil or argument, any sum or sums within the limit of Rs..... (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the ..... day of ..... (Date)

Place: Signature of guarantors
Date: and seal.

Annexure 5

Manufacturer Authorisation

The authorisation may be in the nature of a letter, memorandum or certificate regularly granted by the manufacturer to its channel partners, authorised solution providers, system integrators, distributors, etc. or a specific letter issued for purposes of this bid. However it will not apply when bid is open only to manufacturers.

Such communication should include statements / undertakings from the said manufacturer to the following effect.

1. Guarantee and warranty coverage in respect of the goods and services manufactured by the said manufacturer shall be honoured by that manufacturer, their channel partners, distributors, authorised service centres as the case may be.
2. The manufacturer updates the bidder and their technical personnel with relevant technical literature, training and skill transfer workshops etc. on a regular basis.
3. The manufacturer provides back to back technical support to the said bidder on a continuing basis.
4. The said bidder is authorised to submit bid and provide warranty and maintenance service during the contract period.

Note: The letter of authority should be signed by a person competent and having the power of attorney to bind the manufacturer.

Annexure 6

Installation/Acceptance Certificate

(On letter head of Bidder)

1	Hospital name:	
2	Department Name:	
3	Supplier Name:	
4	Po. No/Date:	

5	Invoice No/Date:	
6	Dc No/Date:	
7	Installation Date	

l. No.	Name of Equipment	Qty	Make	Model	Equipment Sl. No.	Warranty date	
						From	To

Remarks:

1	Signature of Head of Dept	
2	Doctor Name:	
3	Designation:	
4	Department:	
5	Mobile No:	

6	Signature of Service Engineer:	
7	Service Engineer Name:	
8	Designation:	
9	Mobile No.:	
10	Service centre address :	

Certified by the Medical Superintendent:

Date and office seal:

Annexure 7

Performance Certificate after installation
(On Bidder Letter Head)

Date:_____

From
The Incharge concerned _____
Address _____

To
The Director, NIMS, Hyd

Sub: Satisfactory Performance Certificate after 3 months from Installation Date
Ref: P.O. No._____, dt: ___.____.20

*****

The following details are furnished towards the Equipment/Furniture items received from M/s. _____:

1	Item Description and Quantity	
2	Make and Model	
3	Supplied by	
4	Invoice Number/Date:	
5	DC Number/Date:	
6	Installation Date:	

7. Remarks on the Functioning:

Signature of Incharge:

Name:

Designation:

Mobile No:

8. Certified by the Medical Supdt:

Date and office seal.

Form P-1

Bidder Information

1	Name of the Bidder/ Organisation	
2	Address of Main Office Telephone No. (i)Landline (ii)Mobile Fax No. E-Mail Address	
3	Address of Branch Office/ Local Office in Hyderabad, if any Telephone No. (i)Landline (ii)Mobile Fax No. E-Mail Address	
4	Is the Firm a Registered Company? If yes, submit documents as proof.	
5	Date and place of the establishment/ incorporation of the Company	
6	Location of Corporate Head Quarters/ Registered Office	
7	Nature of the Company of the Applicant	
a	A Proprietary firm	Yes / No
b	A Partnership firm	Yes / No
c	A Private Limited Company	Yes / No
d	A Limited Company	Yes / No
e	Any other	Yes / No
	• Tick whichever is applicable and strike out other	

	• Attach a copy of Partnership Deed / Certificate of Incorporation / Articles of Association and Memorandum of Association etc.	
8	Details of Contact Person (Name, Designation, Address, Telephone Number, Fax Number, e-Mail)	
9	Whether Manufacturer?	Yes/No, If yes, Provide relevant documents
10	Whether Authorised Dealer/ Service provider	Yes/No, If yes, Provide relevant documents
11	Total Support engineers at Hyderabad	
12	For How many years has your organization been in business of similar work under its present name?	
13	Whether registered for Sales Tax purposes. If so mention number and date. Submit valid certificate.	
14.	Whether an assessed of Income Tax. If so mention PAN number and date. Submit copy of PAN	
15.	Were you ever required to suspend execution for period of more than Six months continuously after you started? If so, give the name of project and reasons there of	
16.	In How many of your projects penalties were imposed for delays? (Please give details)	
17.	Details of Tender/ Bid processing fee furnished	
18.	Details of EMD furnished	
19.	List of Major Clients	
20.	Details of certificates enclosed.	

Place: Bidder's signature
Date: and seal.

Form P-2

Information Regarding Financial Capacity of the Bidder

S. No.	Details	Amount in Rs Lakhs	Details to be furnished	Submitted Yes / No	Remarks
1.	Annual average turnover for last 3 years: 2014 - 2015 2015 - 2016 2016 - 2017 Average				Minimum average Annual Turnover for last three financial years shall be 1.2Cr. Certificate duly signed and stamped from C.A. shall be attached with this schedule along with the audited balance sheets for the last three years showing long term profitability.
2.	Profit Earned per year during last 3 years: 2014 - 2015 2015 - 2016 2016 - 2017				Certificate duly signed and stamped from C.A. shall be attached with this schedule.
3.	Price of Biggest job carried out				Mention Amount and year where completed
4.	Gross Capital during last 3 years: 2014 - 2015 2015 - 2016 2016 - 2017				Certificate duly signed and stamped from C.A. shall be attached with this schedule.
5.	Experience of execution of Pneumatic Tube System work in Hospital.				Separate sheet should be enclosed with this schedule as supporting documents.
6.	A certified copy of power of attorney				
7.	Income Tax return copy of last three financial year				Copy shall be attached with this schedule.

If required separate sheet can be used for more details.

Form P-3

Bid Capacity

The Contractor shall furnish the schedule for capacity in the following format for this work.

I. Annual average turnover for last three financial years (A)		
Year: 2014-2015 2015-2016 2016-2017		Minimum Annual Turnover for last three financial years shall be 1.2 Cr
II. Value of work the existing commitments and on-going works to be completed during the next one year (B):		
Name of work in progress		

III. Qualification Criteria :

The bidder should be A Class Contractor.

The bidder should have experience of having successfully completed worldwide either of the following works during last seven years ending last day of the month previous to the one in which bids are invited

One Pneumatic Tube System jobs of similar nature of work of worth not less than 80% of tender estimate cost.

OR

Two Pneumatic Tube System job of similar nature of work worth not less than 50% of tender estimate cost

OR

Three Pneumatic Tube System job of similar nature of work worth not less than 40% of tender estimate cost

In Govt. / Semi Govt. / State Govt. organization / Railway / Corporation and Local govt. Bodies Public / private sector

Similar nature of works means "PNEUMATIC TUBE SYSTEM" work (Copies of Work completion certificate duly certified by client along with Work Order must be submitted with tender in proof of above criteria)

(Weightage of 7% per annum (simple) shall be allowed for eligibility purpose for the project completed before 31st March 2017. Financial year shall be from April to March)

Average annual financial turnover of the bidding firm shall be Rs. 1.2 Crore in last three years ending on dated 31st March, 2017.

Note: - If required separate sheet can be used for more details.

Form P-4

Details of Technical Personnnel with Bidder who are Proposed for this Contract

S. No.	Description of Category	Name	Qualification	Professional experience and details of works carried out	Since how long in service with bidder	Remarks
1						
2						
3						
4						
5.						

Note: - If required separate sheet can be used for more details.

Form P-5

Details of the Works of Similar Type and Magnitude Carried Out by the Bidder during Last 7 Years Period

S. No.	Name of Work	Place	Bided Cost	Date of Start	Date of Completion		Principal Feature
					Prescribed date of completion	Actual date of completion	
1							
2							
3							
4							
5							
6							

Note: - If required separate sheet can be used for more details.

Form P-6

Details of the Work in Hand and Works Bided for as on the Date of Submission of the Bid

S. N.	Name of Work	Place and Country	Works in Hand		Anticipated Date of Completion	Bid Cost	Date when decision is expected	Stipulated date & period of Completion	Main features of the work
			Bided Cost	Cost of Work remaining to be executed as on date					
1									
2									
3									
4									

Note: Correct details of work on hand to be furnished. In case of hiding / not showing of the details of work on hand, contractor shall not be considered technically qualified and their price bid shall not be opened. (If required separate sheet can be used for more details.)

Form P-7

Works Left Incomplete

S.No.	Name of Work	Nature of Work	Name and Address of Client with phone nos.	Name and Address of Consulting Architects/Engineers with phones nos.	Value of Works	Commenced	Termination Reasons	Arbitration proceedings, if any, and award thereon
1								
2								
3								
4								

Note:- If required separate sheet can be used for more details.

Form P-8

Details of Equipment in Possession of the Contractor and Proposes to Bring to the Site for this Work

S. N.	Type and Description of the Equipment & Capacity	Age and Approximate Value	Numbers the Bidder has in possession	Numbers He/ She proposes to bring on to site
1				
2				
3				
4				
5				
7				

Note:- If required separate sheet can be used for more details.

Form P-9

Declaration Form

I / We …….. having Our …….. office at ……. read and understood the terms and conditions contained in the bidding documents under this notification for bid and offer our bids unconditional, to the extent not stated at any other part of our bid.

We will not quote or supply the goods similar to the ones offered under this bid notification to any agency or organization in the country, at the rate lower than the rate quoted in this present tender.

If we found quoting lower rate than the rate quoted to the NIMS, to any other agency in the country during the validity of the present contract, we will remit the differential cost to the NIMS, unconditionally.

Place: Bidder's signature
Date: and seal.

Form P-10

Self-Declaration – No Blacklisting

{To be filled by the bidder}

To,
The Director,
Nizam's Institute of Medical Sciences,
Punjagutta, Hyderabad -500082, Telangana

In response to the tender/ **NIT No. XXXX** for {Project Title}, as an Owner/ Partner / Director of_____,
I/We hereby declare that presently our Company/ firm_____,at the time of bidding , is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either in definitely or for a particular period of time by any State /Central government/ PSU /UT.
If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and our bid, to the extent accepted, may be cancelled.

Thanking you,

Name of the Bidder:
Authorized Signatory ----------
Seal of the Organization----------
Date----------
Place----------

Form T-1

Sl. No.	Item	Specification Required	Specification of proposed item	Specification Higher/Lower

Note: All brochures and related technical documents/ certificates of items being proposed should also be provided.

Form T-2

Check List

Compliance/agreed/enclosed/ deviation statement.

The following are the particulars of compliance/deviations from the requirements of the tender specifications.

Sl. No.	Bid document reference	Remarks
1	Delivery period	
2	Form P-1	
3	Form P-2	
4	Form P-3	
5	Form P-4	
6	Form P-5	
7	Form P-6	
8	Form P-7	
9	Form P-8	
10	Form P-9	

11	Form P-10	
10	Form T-1	
11	Form T-2	
12	Form T-3	
14	Form F-1	
15	Form F-2	
16	Pre-qualification criterion	
17	Technical specifications	
18	Financial bid format	
19	General instruction to bidders	
20	Standard procedure for bid evaluation	
21	General condition of proposed contract(GCC)	
22	Special Conditions	

The specifications and conditions furnished in the bidding document shall prevail over those of any other document forming a part of our bid, except only to the extent of deviations furnished in this statement.

Place: Bidder's signature

Date : and seal.

NOTE: For every item appropriate remarks should be indicated like 'no deviation', 'agreed', 'enclosed' etc. as the case may be..

Form T-3

Check List of Documents to be Submitted

Sl. No.	Description	Envelope	(Yes/No)
	Tender/ Bid Processing Fee Instrument	Pre-qualification Bid	
	EMD Instrument		
	P1, P2, P3, P4, P5, P6, P7, P8, P9, P10		
	Manufacturer Authorization		
	T1, T2, T3, T4	Technical Bid	
	List of Goods with specification **(Without Prices)**		
	F1, F2	Financial Bid	

Place: Bidder's signature
Date: and seal.

Form F-1
Financial Bid

1	2	3	4	5	6
Item No.	Brief Description of Item/ Good	Name of the Manufacturer & country of Origin	Quantity (No.s)	Unit Price at Consignee Site basis including Supply, Installation, Testing & Commissioning, at the Consignee's site (All Inclusive)	Total Price at Consignee Site basis Supply, Installation, Testing & Commissioning,, at the Consignee's site (All Inclusive) Column **4 X 5**

Total Tender price in Rupees:
In words: _____
_____

Note:
1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for CAMC after warranty shall be quoted separately as per **Form F-2**

Name:
Business Address:

Place: Signature of Bidder:
Date: Seal of the Bidder:

Form F-2

Financial Bid for Comprehensive Annual Maintenance Contract (CAMC) After Warranty Period

1	2	3							4
Tender No.	**Description of Goods**	**CAMC Cost Year Wise***							**Total CAMC Cost for 7 years (3a+3b+3c+3d+3e+3f+3g)**
		4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	
		a	**b**	**c**	**d**	**e**	**f**	**g**	

*After completion of Warranty period.

Service Tax: Whether extra or inclusive, if extra, indicates the rate_____.

NOTE:

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Annual Maintenance Contract (CAMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period should be quoted for 7 years on yearly basis for complete system.
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CAMC will be added for Ranking/ Evaluation purpose.
5. The payment of CMC will be made as per clause in tender document
6. The uptime warranty will be 95 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CAMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during CAMC period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name:

Business Address:

Place: Signature of Bidder:

Date: Seal of the Bidder:

END OF DOCUMENT