



GOVERNMENT OF KARNATAKA

**DEPARTMENT OF HEALTH & FAMILY WELFARE SERVICES
(MEDICAL EDUCATION)**

DIRECTORATE OF MEDICAL EDUCATION

**REQUEST FOR PROPOSAL
FOR
LABORATORY EQUIPMENT
INTERFACING WITH EHOSPITAL
AND
INTERNET OF THINGS (IoT)
AT
MEDICAL EDUCATION INSTITUTIONS**

RFP No. DME/EH/S No/Lab Interface/06/2018-19 Dated 16/06/2020

DIRECTORATE OF MEDICAL EDUCATION

Anand Rao Circle, Bengaluru - 560009

Phone: +91-80-22870060 Fax: +91-80-22875798

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REQUEST FOR PROPOSAL (RFP) SCHEDULE

1. RFP Reference No.	: DME/EH/S No/Lab Interface/06/2018-19 Dated 16/06/2020
2. Date of Commencement of Download of RFP Document from eProcurement website http://eproc.karnataka.gov.in	: From 18-06-2020
3. Date and Time of Pre-bid Meeting	: 03-07-2020 at 12:00 Noon at the following venue: Directorate of Medical Education, Anand Rao Circle, Bengaluru - 560009
4. Last Date and Time for uploading Online Queries ¹ in eProcurement Portal	: 03-07-2020 up to 4:00 PM
5. Last Date and Time for uploading of RFP Application in eProcurement portal ²	: 17-07-2020 up to 5:00 PM
6. Date and Time of Online Opening of RFP Applications ³	: 19-07-2020
7. Place of Opening of RFP Applications	: Online at eProcurement portal
8. Date and Time of Presentation by RFP Applicants	: Shall be Intimated
9. Address for Communication	: Directorate of Medical Education Anand Rao Circle, Bengaluru - 560009 Phone: +91-80-22870060 Fax: +91-80-22875798 Email: dmekarnataka@yahoo.com

¹ Pre-bid queries should be uploaded in the eProcurement Portal only. Queries received through email, fax, courier, post, etc. will not be considered.

² Completed bids shall be uploaded through e-tendering system by the Service Provider using their User ID and addressed to the Director in the manner prescribed in the RFP on or before the last date & time stipulated.

³ In the event of the specified date of opening of RFP being declared a holiday for the Employer, the RFP will be opened on the next working day at the same time.

SECTION I – LETTER OF INVITATION



**DIRECTORATE OF MEDICAL EDUCATION
GOVERNMENT OF KARNATAKA**

Anand Rao Circle, Bengaluru – 560009
Phone: +91-80-22870060 Fax: +91-80-22875798
Email: dmekarnataka@yahoo.com

RFP No.: DME/EH/S No/Lab Interface/06/2018-19

Date: 16-06-2020

Dear Service Provider / Consultants,

1. Directorate of Medical Education () invites Proposals under eProcurement (two cover system) for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT). More details on the Services are provided in the Terms of Reference.
2. The RFP is open to all service providers registered in India.
3. The Service Provider will be selected under Least Cost Selection (LCS) procedures described in this RFP.
4. The RFP includes the following documents:
 - 4.1. Section 1 - Letter of Invitation
 - 4.2. Section 2 - Information to Consultants
 - 4.3. Section 3 - Technical Proposal - Standard Forms
 - 4.4. Section 4 - Financial Proposal - Standard Forms
 - 4.5. Section 5 - Terms of Reference
 - 4.6. Section 6 - Standard Form of Contract.
5. Consultants must provide Bid Security as specified in the Data Sheet of RFP document.
6. The Financial Proposal of the Consultants who are technically qualified/responsive will only be opened through e-procurement portal.

Yours sincerely,

Director

Directorate of Medical Education
Bangalore

SECTION II – INFORMATION TO CONSULTANTS (ITC)

1. Introduction

- 1.1. The Client named in the “Data Sheet” will select a firm among those listed in the Letter of Invitation, in accordance with the method of selection indicated in the Data Sheet.
- 1.2. The consultants are invited to submit a Technical Proposal and a Financial Proposal, as specified in the Data Sheet (the Proposal) for consulting services required for the Assignment named in the Data Sheet. The Proposal will be the basis for contract negotiations and ultimately for a signed contract with the selected Consultant.
- 1.3. The Assignment shall be implemented in accordance with the phasing indicated in the Data Sheet. When the Assignment includes several phases, the performance of the consultant under each phase must be to the client’s satisfaction before work begins on the next phase.
- 1.4. The Consultants must familiarize themselves with local conditions and take them into account in preparing their Proposals. To obtain first-hand information on the Assignment and on the local conditions, consultants are encouraged to pay a visit to the Client before submitting a Proposal, and to attend a pre-proposal conference if one is specified in the Data Sheet. Attending the pre-proposal conference is optional. The Consultant’s representative should contact the officials named in the Data Sheet to arrange for their visit or to obtain additional information on the pre-proposal conference. Consultants should ensure that these officials are advised of the visit in adequate time to allow them to make appropriate arrangements.
- 1.5. The Client will provide the inputs specified in the Data Sheet, assist the firm in obtaining licenses and permits needed to carry out the services, and make available relevant project data and reports.
- 1.6. Please note that (i) the costs of preparing the proposal and of negotiating the contract, including a visit to the Client, are not reimbursable as a direct cost of the Assignment; and (ii) the Client is not bound to accept any of the Proposals submitted.
- 1.7. Directorate of Medical Education (DME) expects consultants to provide professional, objective, and impartial advice and at all times hold the Client’s interests paramount, without any consideration for future work, and strictly avoid conflicts with other assignments or their own corporate interests. Consultants shall not be hired for any assignment that would be in conflict with their prior or current obligations to other clients, or that may place them in a position of not being able to carry out the assignment in the best interest of the Client.
 - 1.7.1. Without limitation on the generality of this rule, consultants shall not be hired under the circumstances set forth below:
 - 1.7.1.1. A firm which has been engaged by the Client to provide goods or works for a project, and any of their affiliates, shall be disqualified from providing consulting services for the

same project. Conversely, firms hired to provide consulting services for the preparation or implementation of a project, and any of their affiliates, shall be disqualified from subsequently providing goods or works or services related to the initial assignment (other than a continuation of the firm's earlier consulting services) for the same project.

- 1.7.1.2. Consultants or any of their affiliates shall not be hired for any assignment which, by its nature, may be in conflict with another assignment of the consultants.
- 1.7.2. As pointed out in para. 1.7.1.1. above, consultants may be hired for downstream work, when continuity is essential, in which case this possibility shall be indicated in the Data Sheet and the factors used for the selection of the consultant should take the likelihood of continuation into account. It will be the exclusive decision of the Client whether or not to have the downstream assignment carried out, and if it is carried out, which consultant will be hired for the purpose.
- 1.8. It is GOK's policy to require that consultants observe the highest standard of ethics during the execution of such contracts. In pursuance of this policy, the GOK:
 - 1.8.1. defines, for the purposes of this provision, the terms set forth below as follows:
 - 1.8.1.1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the selection process or in contract execution; and
 - 1.8.1.2. "fraudulent practice" means a misrepresentation of facts in order to influence a selection process or the execution of a contract to the detriment of GOK, and includes collusive practices among consultants (prior to or after submission of proposals) designed to establish prices at artificial, noncompetitive levels and to deprive GOK of the benefits of free and open competition.
 - 1.8.2. will reject a proposal for award if it determines that the firm recommended for award has engaged in corrupt or fraudulent activities in competing for the contract in question;
 - 1.8.3. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded GOK-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK-financed contract; and
 - 1.8.4. will have the right to require that, GOK to inspect consultant's accounts and records relating to the performance of the contract and to have them audited by auditors appointed by GOK.
- 1.9. Consultants shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by GOK in accordance with the above sub para 1.8.3.

- 1.10. Consultants shall be aware of the provisions on fraud and corruption stated in the standard contract under the clauses indicated in the Data Sheet.

2. Clarification and Amendment of RFP Documents

- 2.1. Consultants may request a clarification of any item of the RFP document up to the number of days indicated in the Data Sheet before the Proposal submission date. Any request for clarification must be sent in writing by paper mail, cable, telex, facsimile, or electronic mail to the Client's address indicated in the Data Sheet. The Client will respond by cable, telex, facsimile, or electronic mail to such requests and will send copies of the response (including an explanation of the query but without identifying the source of inquiry) to all invited consultants who intend to submit proposals.
- 2.2. At any time before the submission of Proposals, the Client may, for any reason, whether at its own initiative or in response to a clarification requested by an invited firm, modify the RFP documents by amendment. Any amendment shall be issued in writing through addenda. Addenda shall be sent by mail, cable, telex, facsimile, or electronic mail to all invited consultants and will be binding on them. The Client may at its discretion extend the deadline for the submission of Proposals.

3. Preparation of Proposal

- 3.1. Consultants are requested to submit a Proposal (para 1.2) written in the language(s) specified in the Data Sheet.

Technical Proposal

- 3.2. In preparing the Technical Proposal, consultants are expected to examine the documents comprising this RFP in detail. Material deficiencies in providing the information requested may result in rejection of a Proposal.
- 3.3. While preparing the Technical Proposal, consultants must give particular attention to the following:
 - 3.3.1. If a firm considers that it does not have all the expertise for the Assignment, it may obtain a full range of expertise by associating with individual consultant(s) and/or other firms or entities in a joint venture or sub-consultancy, as appropriate. Consultants may associate with the other consultants invited for this Assignment only with approval of the Client as indicated in the Data Sheet. Consultants must obtain the approval of the client to enter into a Joint Venture with consultants not invited for this assignment.
 - 3.3.2. For assignments on a staff-time basis, the estimated number of key professional staff-months is given in the Data Sheet. The proposal shall, however, be based on the number of key professional staff-months estimated by the firm.

- 3.3.3. It is desirable that the majority of the key professional staff proposed be permanent employees of the firm or have an extended and stable working relation with it.
- 3.3.4. Proposed key professional staff must at a minimum have the experience indicated in the Data Sheet.
- 3.3.5. Alternative key professional staff shall not be proposed, and only one curriculum vitae (CV) may be submitted for each position.
- 3.3.6. Reports to be issued by the consultants as part of this assignment must be in the language(s) specified in the Data Sheet. It is desirable that the firm's personnel have a working knowledge of the Client's official language.
- 3.4. The Technical Proposal should provide the following information using the attached Standard Forms (Section 3):
 - 3.4.1. A brief description of the consultant's organization and an outline of recent experience on assignments (Section III (2)) of a similar nature. For each assignment, the outline should indicate, inter alia, the profiles and names of the staff provided, duration of the assignment, contract amount, and firm's involvement.
 - 3.4.2. Any comments or suggestions on the Terms of Reference and on the data, a list of services, and facilities to be provided by the Client (Section III (3)).
 - 3.4.3. A description of the methodology and work plan for performing the assignment (Section III (4)).
 - 3.4.4. The list of the proposed staff team by speciality, the tasks that would be assigned to each staff team member, and their timing (Section III (5)).
 - 3.4.5. CVs recently signed by the proposed key professional staff and the authorized representative submitting the proposal (Section III (6)). Key information should include number of years working for the firm/entity, and degree of responsibility held in various assignments during the last ten (10) years.
 - 3.4.6. Estimates of the total staff effort (professional and support staff; staff time) to be provided to carry out the Assignment, supported by bar chart diagrams showing the time proposed for each key professional staff team member. (Sections III (7) and III (8)).
 - 3.4.7. A detailed description of the proposed methodology, staffing, and monitoring of training, if the Data Sheet specifies training as a major component of the assignment.
 - 3.4.8. Any additional information requested in the Data Sheet.
- 3.5. The Technical Proposal shall not include any financial information.

Financial Proposal

- 3.6. In preparing the Financial Proposal, consultants are expected to take into account the requirements and conditions of the RFP documents. The Financial Proposal should follow Standard Forms (Section IV). It lists all costs associated with the Assignment, including (a) remuneration for staff , and (b) reimbursables such as subsistence (per diem, housing), transportation (national and local, for mobilization and demobilization), services and equipment (vehicles, office equipment, furniture, and supplies), office rent, insurance, printing of documents, surveys; and training, if it is a major component of the assignment. If appropriate, these costs should be broken down by activity.
- 3.7. Consultants shall express the price of their services in Indian Rupees.
- 3.8. The Data Sheet indicates how long the proposals must remain valid after the submission date. During this period, the consultant is expected to keep available the key professional staff proposed for the assignment. The Client will make its best effort to complete negotiations within this period. If the Client wishes to extend the validity period of the proposals, the consultants who do not agree have the right not to extend the validity of their proposals.

4. Submission, Receipt, and Opening of Proposals

- 4.1. The original Proposal (Technical Proposal and Financial Proposal; see para 1.2) shall be prepared in indelible ink. It shall contain no inter-lineation or overwriting, except as necessary to correct errors made by the firm itself. Any such corrections must be initialed by the person or persons who sign(s) the Proposals.
- 4.2. An authorized representative of the Consultant initials all pages of the Proposal. The representative's authorization is confirmed by a written power of attorney accompanying the Proposal.
- 4.3. For each Proposal, you should prepare the number of copies indicated in the Data Sheet. Each Technical Proposal and Financial Proposal should be marked "Original" or "Copy" as appropriate. If there are any discrepancies between the original and the copies of the Proposal, the original governs.
- 4.4. The original and all copies of the Technical Proposal shall be placed in a sealed envelope clearly marked "Technical Proposal," and the original and all copies of the Financial Proposal in a sealed envelope clearly marked "Financial Proposal" and warning: "Do Not Open with the Technical Proposal." Both envelopes shall be placed into an outer envelope and sealed. This outer envelope shall bear the submission address and other information indicated in the Data Sheet and clearly marked, "DO NOT OPEN, EXCEPT IN PRESENCE OF THE EVALUATION COMMITTEE."
- 4.5. The completed Technical and Financial Proposal must be delivered at the submission address on or before the time and date stated in the Data Sheet. Any Proposal received after the closing time for submission of proposals shall be returned unopened.

- 4.6. After the deadline for submission of proposals the Technical Proposal shall be opened immediately by the evaluation committee. The Financial Proposal shall remain sealed and deposited with the Client until all submitted proposals are opened publicly.

5. Proposal Evaluation

General

- 5.1. From the time the proposals are opened to the time the contract is awarded, if any consultant wishes to contact the Client on any matter related to its proposal, it should do so in writing at the address indicated in the Data Sheet. Any effort by the firm to influence the Client in the Client's proposal evaluation, proposal comparison or contract award decisions may result in the rejection of the consultant's proposal.
- 5.2. Evaluators of Technical Proposals shall have no access to the Financial Proposals until the technical evaluation, including its approval by competent authority is obtained.

Evaluation of Technical Proposals

- 5.3. The evaluation committee appointed by the Client as a whole, and each of its members individually evaluates the proposals on the basis of their responsiveness to the Terms of Reference, applying the evaluation criteria, sub-criteria (typically not more than three per criteria) and point system specified in the Data Sheet. Each responsive proposal will be given a technical score (S_t). A proposal shall be rejected at this stage if it does not respond to important aspects of the Terms of Reference or if it fails to achieve the minimum technical score indicated in the Data Sheet.

Opening and Evaluation of Financial Proposals; Ranking

- 5.4. After the evaluation of quality is completed, the Client shall notify those consultants whose proposals did not meet the minimum qualifying mark or were considered non-responsive to the RFP and Terms of Reference, indicating that their Financial Proposals will be returned unopened after completing the selection process. The Client shall simultaneously notify the consultants that have secured the minimum qualifying mark, indicating the date and time set for opening the Financial Proposals. The opening date shall not be sooner than one week after the notification date. The notification may be sent by registered letter, cable, telex, facsimile, or electronic mail.
- 5.5. The Financial Proposals shall be opened publicly in the presence of the consultants' representatives who choose to attend. The name of the consultant, the quality scores, and the proposed prices shall be read aloud and recorded when the Financial Proposals are opened. The Client shall prepare minutes of the public opening.
- 5.6. The evaluation committee will determine whether the Financial Proposals are complete, (i.e., whether they have costed all items of the corresponding

Technical Proposals, if not, the Client will cost them and add their cost to the initial price), correct any computational errors.

- 5.7. The Client will select the lowest proposal ('evaluated' price). The selected Consultant will be invited for negotiations.

6. Negotiations

- 6.1. Negotiations will be held at the address indicated in the Data Sheet. The aim is to reach agreement on all points and sign a contract.
- 6.2. Negotiations will include a discussion of the Technical Proposal, the proposed methodology (work plan), staffing and any suggestions made by the firm to improve the Terms of Reference. The Client and Consultant will then work out final Terms of Reference, staffing, and bar charts indicating activities, staff, periods in the field and in the home office, staff-months, logistics, and reporting. The agreed work plan and final Terms of Reference will then be incorporated in the "Description of Services" and form part of the contract. Special attention will be paid to getting the most the Consultant can offer within the available budget and to clearly defining the inputs required from the Client to ensure satisfactory implementation of the Assignment.
- 6.3. Unless there are exceptional reasons, the financial negotiations will involve neither the remuneration rates for staff (no breakdown of fees) nor other proposed unit rates.
- 6.4. Having selected the Consultant on the basis of, among other things, an evaluation of proposed key professional staff, the Client expects to negotiate a contract on the basis of the experts named in the Proposal. Before contract negotiations, the Client will require assurances that the experts will be actually available. The Client will not consider substitutions during contract negotiations unless both parties agree that undue delay in the selection process makes such substitution unavoidable or that such changes are critical to meet the objectives of the assignment. If this is not the case and if it is established that key staff was offered in the proposal without confirming their availability, the Consultant may be disqualified.
- 6.5. The negotiations will conclude with a review of the draft form of the contract. To complete negotiations the Client and the Consultant will initial the agreed contract. If negotiations fail, the Client will invite the firm who has quoted the second lowest price for negotiations. The process will be repeated till an agreed contract is concluded.

7. Award of Contract

- 7.1. The contract will be awarded following negotiations. After negotiations are completed, the Client will promptly notify other consultants on the shortlist that they were unsuccessful and return the Financial Proposals of those consultants who did not pass the technical evaluation (para 5.3)
- 7.2. The Consultant is expected to commence the Assignment on the date and at the location specified in the Data Sheet.

8. Confidentiality

- 8.1. Information relating to evaluation of proposals and recommendations concerning awards shall not be disclosed to the consultants who submitted the proposals or to other persons not officially concerned with the process, until the winning Consultant has been notified that it has been awarded the contract.

DATA SHEET – INFORMATION TO CONSULTANTS

RFP for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at
Medical Education Institutions

ITC Clause Reference										
1.1	<p>The name of the Client is:</p> <p>Directorate of Medical Education (DME)</p> <p>The method of selection is: Least Cost Selection (LCS)</p>									
1.2	<p>A technical and a Financial Proposals are requested: Yes</p> <p>The name, objectives and description of the Assignment are:</p> <table><tr><td>Name</td><td>:</td><td>Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions.</td></tr><tr><td>Objective</td><td>:</td><td>To appoint a service provider</td></tr><tr><td>Description</td><td>:</td><td>This RFP is being published to appoint service provider for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions.</td></tr></table> <p><i>The following condition:</i></p> <p>The Proposal will be the basis for contract negotiations and ultimately for a signed contract with the selected Consultant.</p> <p><i>Should be read as:</i></p> <p>The Proposal will be the basis for qualification, technical evaluation, financial evaluation, contract negotiations and ultimately for a signed contract with the selected Consultant.</p>	Name	:	Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions.	Objective	:	To appoint a service provider	Description	:	This RFP is being published to appoint service provider for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions.
Name	:	Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions.								
Objective	:	To appoint a service provider								
Description	:	This RFP is being published to appoint service provider for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions.								
1.3	<p>The Assignment is phased: No</p>									
1.4	<p>A pre-proposal conference will be held: Yes, Date, Time and Venue is stated in RFP Schedule</p>									
1.5	<p>The Client will provide the following inputs: None</p>									
1.6	<p>Bid Security</p> <p>1) The Consultant shall furnish Bid Security as follows:</p> <table><tr><th>Sl.</th><th>Service</th><th>Bid Security Amount / Earnest Money Deposit</th></tr><tr><td>1.</td><td>Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions</td><td>Rs. 7,00,000/- (Rupees SevenLakh Only)</td></tr></table> <p>2) The Bid Security shall be paid in the eProcurement Portal using any of the following payment modes:</p>	Sl.	Service	Bid Security Amount / Earnest Money Deposit	1.	Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions	Rs. 7,00,000/- (Rupees SevenLakh Only)			
Sl.	Service	Bid Security Amount / Earnest Money Deposit								
1.	Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions	Rs. 7,00,000/- (Rupees SevenLakh Only)								

ITC Clause Reference	
	<ul style="list-style-type: none"> a) Credit Card b) Direct Debit c) National Electronic Funds Transfer (NEFT) d) Over the Counter (OTC) <p>3) The OTC payment facility shall be available at designated ICICI bank branches for making payments from the dates of notification of IFB.</p> <p>4) Confirmation of the receipt of the Bid processing fee and Bid Security in Government of Karnataka central pool A/c held at ICICI Bank shall be verified. If the bidder exercises the option of paying the Bid Security as indicated at sl. 2 above and if an acceptable Bid Security is not received then the eProcurement portal will not open and allow the bidder to submit its bid.</p> <p>5) The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security.</p> <p>6) The Bid Security may be forfeited:</p> <ul style="list-style-type: none"> a) if a Bidder <ul style="list-style-type: none"> i) withdraws its bid during the period of bid validity specified by the Bidder on the Technical Bid Submission Form and extension of bid validity thereof; b) if the successful Bidder fails to: <ul style="list-style-type: none"> i) sign the Contract; ii) Furnish a Performance Security.
1.7.2	The Client envisages the need for continuity for downstream work: No
1.11	The clauses on fraud and corruption in the contract are Sub-Clause 2.2.7 (1) of G.C.C.
2.1	<p><i>The following condition:</i></p> <p>Any request for clarification must be sent in writing by paper mail, cable, telex, facsimile, or electronic mail to the Client's address indicated in the Data Sheet. The Client will respond by cable, telex, facsimile, or electronic mail to such requests and will send copies of the response (including an explanation of the query but without identifying the source of inquiry) to all invited consultants who intend to submit proposals.</p> <p><i>Is changed to:</i></p> <p>Clarifications may be uploaded online in eProcurement portal up to one day before pre-bid conference, as per the RFP Schedule.</p>

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ITC Clause Reference							
	Only Online Queries through eProcurement portal will be accepted. Queries sent through letters, emails or any other mode will not be entertained.						
3.1	Proposals should be submitted in the following language(s): English						
3.3.1	Service Provider may associate with other firms or sub-contract to other firms: No						
3.3.2	Not applicable						
3.3.4	Not applicable						
3.3.5	<i>The following condition:</i> “Alternative key staff shall not be proposed, and only one curriculum vitae (CV) may be submitted for each position.” <i>is changed to:</i> Not applicable						
3.3.6	Reports which are part of the assignment must be written in the following language: English						
3.4	Training is an important feature of this Assignment: Yes						
3.4.5	<i>The following condition:</i> “Key information should include number of years working for the firm/entity, and degree of responsibility held in various assignments during the last ten (10) years.” <i>is changed to:</i> “Key information should include number of years working for the firm/entity, and degree of responsibility held in various assignments.”						
3.4.6	This clause is deleted.						
3.4.7	This clause is deleted.						
3.4.8	a) General Qualification Criteria <table><tr><th>Sl.</th><th>Qualification Criteria</th><th>Supporting Documents to be submitted in RFP</th></tr><tr><td>1.</td><td>Applicant should be an individual company or a Consortium of two companies</td><td>a. Certificate of Incorporation in case of Private Limited / Public Limited b. Registration with Commercial Tax department / GSTN in case of Partnership /</td></tr></table>	Sl.	Qualification Criteria	Supporting Documents to be submitted in RFP	1.	Applicant should be an individual company or a Consortium of two companies	a. Certificate of Incorporation in case of Private Limited / Public Limited b. Registration with Commercial Tax department / GSTN in case of Partnership /
Sl.	Qualification Criteria	Supporting Documents to be submitted in RFP					
1.	Applicant should be an individual company or a Consortium of two companies	a. Certificate of Incorporation in case of Private Limited / Public Limited b. Registration with Commercial Tax department / GSTN in case of Partnership /					

ITC Clause Reference			
		Proprietary firm c. Consortium Agreement, incase bidder is a Consortium	
	2.	<p>Applicant should have been in existence for a period of at least 3 years.</p> <p>In case of Consortium, all members of the Consortium should have been in existence for a period of at least 3 years.</p>	d. Certificate of Incorporation / Registration with Commercial Tax department / GSTN
	3.	The bidder should submit latest GST Returns and latest IT Returns	e. Latest GST Returns f. Latest IT Returns
	4.	<p>The Applicant should have average annual turnover of Rs. Ten (10) Crore in the preceding 3 financial years, i.e., 2016-17, 2017-18& 2018-19.</p> <p>In case of Consortium, the combined annual turnover of all consortium members will be considered.</p>	<p>g. Annual Turnover statement for last three financial years certified by Chartered Accountant as per format enclosed.</p> <p>h. Audited Balance Sheet</p> <p>i. Audited Profit & Loss Statement</p> <p>j. For the financial year 2018-19, provisional turnover, balance sheet and profit & loss statement will also be accepted</p>
	5.	Affidavit on Rs. 100/- Stamp Paper dully filled and Notarized	k. Affidavit as per format enclosed.
	6.	Should have office in Karnataka State	l. Telephone Bill / Lease Agreement /Ownership Agreement / GST Registration / Certificate of Incorporation
b) Past Experience Qualification Criteria			
Sl.	Qualification Criteria	Supporting Documents to be submitted in RFP	

ITC Clause Reference			
	1.	Bidder should have at least two (2) orders of Laboratory Equipment interfacing projects, with having interfaced cumulative 170 or more laboratory equipments, in the last three financial years	m. Work Order / Invoice n. Work completion certificate / Satisfactory Performance letter
	2.	Bidder should have at least two (2) orders for supply of servers, with cumulative 50 servers or more, in the last three financial years	o. Work Order / Invoice p. Work completion certificate / Satisfactory Performance letter
c) Financial Capabilities Qualification Criteria			
	Sl.	Qualification Criteria	Supporting Documents to be submitted in RFP
	1.	Solvency Certificate for Rs. 30 lakhs issued by Bank In case of Consortium, the combined solvency of all consortium members will be considered.	q. Solvency Certificate as per format enclosed
3.8	Proposals must remain valid for 180 days after the submission date		
4.3& 4.4	<i>The clause should be read as:</i> The proposal shall be uploaded online in the eProcurement portal http://eproc.karnataka.gov.in		
4.5	<i>The clause should be read as:</i> The bidder shall upload the proposals in the eProcurement Portal on or before the due date and time specified in the RFP Schedule.		
4.6	<i>The clause should be read as:</i> The Technical Bids will be opened online in the eProcurement portal on the date and time as specified in the RFP Schedule. The Financial Proposal shall remain encrypted in the eProcurement portal.		
5.1	The address to send information to the Client is: Directorate of Medical Education (DME) Anand Rao Circle, Bengaluru - 560009 Phone: +91-80-22870060		

ITC Clause Reference																																													
	Fax: +91-80-22875798 Email: dmekarnataka@yahoo.com																																												
5.3	<p>a) It is mandatory for the bidder to meet all the qualification criteria mentioned in Data Sheet at 3.4.8. If the proposal does not meet one or more of the qualification criteria mentioned in the Data Sheet at 3.4.8, the bid will be treated as non-responsive and further evaluation will not be carried out for the bid.</p> <p>b) The bids that meet the qualification criteria will be evaluated based on the following points system:</p> <table><tr><th>Sl.</th><th>Evaluation Criteria</th><th>Points</th><th>Sub Points</th></tr><tr><td>1.</td><td>Specific experience of the consultants related to the Assignment</td><td>25</td><td></td></tr><tr><td>1.1.</td><td>Bidder should have at least two (2) orders of Laboratory Equipment interfacing projects, with having interfaced cumulative 170 or more laboratory equipments, in the last three financial years</td><td></td><td>15</td></tr><tr><td>1.2.</td><td>Bidder should have at least two (2) orders for supply of servers, with cumulative 50 servers or more, in the last three financial years</td><td></td><td>10</td></tr><tr><td>2.</td><td>Adequacy of the Proposed Methodology and Timelines</td><td>30</td><td></td></tr><tr><td>2.1.</td><td>Proposed Methodology for Laboratory Equipment Interfacing with NIC eHospital software</td><td></td><td>5</td></tr><tr><td>2.2.</td><td>Proposed Methodology for interfacing / integrating Laboratory Equipments to the Hospital LAN and Server</td><td></td><td>5</td></tr><tr><td>2.3.</td><td>Proposed Methodology for Internet of Things (IoT) Sensors and Gateways for Medical Equipment monitoring</td><td></td><td>10</td></tr><tr><td>2.4.</td><td>Proposed Timeline</td><td></td><td>10</td></tr><tr><td>3.</td><td>Qualifications and competence of the key professional staff</td><td>35</td><td></td></tr><tr><td>3.1.</td><td>Project Manager</td><td></td><td>10</td></tr></table>	Sl.	Evaluation Criteria	Points	Sub Points	1.	Specific experience of the consultants related to the Assignment	25		1.1.	Bidder should have at least two (2) orders of Laboratory Equipment interfacing projects, with having interfaced cumulative 170 or more laboratory equipments, in the last three financial years		15	1.2.	Bidder should have at least two (2) orders for supply of servers, with cumulative 50 servers or more, in the last three financial years		10	2.	Adequacy of the Proposed Methodology and Timelines	30		2.1.	Proposed Methodology for Laboratory Equipment Interfacing with NIC eHospital software		5	2.2.	Proposed Methodology for interfacing / integrating Laboratory Equipments to the Hospital LAN and Server		5	2.3.	Proposed Methodology for Internet of Things (IoT) Sensors and Gateways for Medical Equipment monitoring		10	2.4.	Proposed Timeline		10	3.	Qualifications and competence of the key professional staff	35		3.1.	Project Manager		10
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ITC Clause Reference				
	3.2.	Team Lead - Laboratory Equipment Interface		7.5
	3.3.	Team Lead – Internet of Things		7.5
	3.4.	Server Administrator		5
	3.5.	Technical Support Engineer		5
	4.	Training	10	
	4.1.	Training Methodology		5
	4.2.	Training Documentation		5
	Total		100	
c) The minimum technical score required to pass is: 75 points				
d) The Employer reserves the right to seek clarification and/or any additional information including documents during the evaluation.				
5.4	<p><i>The following clause:</i></p> <p>“After the evaluation of quality is completed, the Client shall notify those consultants whose proposals did not meet the minimum qualifying mark or were considered non-responsive to the RFP and Terms of Reference, indicating that their Financial Proposals will be returned unopened after completing the selection process. The Client shall simultaneously notify the consultants that have secured the minimum qualifying mark, indicating the date and time set for opening the Financial Proposals. The opening date shall not be sooner than one week after the notification date. The notification may be sent by registered letter, cable, telex, facsimile, or electronic mail.”</p> <p><i>Is changed to:</i></p> <p>“After the technical evaluation is completed, the Client shall mark the proposals eProcurement Portal, which did not meet the minimum qualifying mark or were considered non-responsive to the RFP and Terms of Reference, as rejected. The Client shall open those financial bids in the eProcurement portal, who have secured the minimum qualifying mark in the technical evaluation.”</p>			
5.5	<p><i>The following clause:</i></p> <p>The Financial Proposals shall be opened publicly in the presence of the consultants’ representatives who choose to attend. The name of the consultant, the quality scores, and the proposed prices shall be read aloud and recorded when the Financial Proposals are opened. The Client shall prepare minutes of the public opening.</p> <p><i>Is changed to:</i></p> <p>The financial bids shall be opened online in the eProcurement portal.</p>			

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ITC Clause Reference	
6.1	The address for negotiation will be intimated in the invitation for negotiation.
6.3	<p><i>The following clause:</i></p> <p>“Unless there are exceptional reasons, the financial negotiations will involve neither the remuneration rates for staff (no breakdown of fees) nor other proposed unit rates.”</p> <p><i>Is changed to:</i></p> <p>“Unless there are exceptional reasons, the financial negotiations will not involve the remuneration rates for staff.”</p>
7.2	The Assignment is expected to commence in August, 2020 at the locations specified in Data Sheet 3.3.2.
7.3	<p>Within 30 days of receipt of Notification of Award, the successful bidder shall submit the Curriculum Vitae (as per format enclosed in Appendix F) of all the manpower proposed for deployment at the Client’s locations.</p> <p>The Client shall conduct interview of all the manpower proposed by the successful bidder. The successful bidder shall post the manpower at site only after receiving approval of the Client.</p>
9	<p>Performance Security</p> <p>a) Within seven (7) days of the receipt of notification of award from the Client, the successful Bidder, shall furnish the Performance Security in accordance with the SCC. The Purchaser shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Securities of the unsuccessful bidders.</p> <p>b) Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.</p>

Sincerely,

Director
Directorate of Medical Education (DME)

SECTION III – TECHNICAL PROPOSAL – STANDARD FORMS

1. Technical Proposal Submission Form

[To be submitted on company letter head]

Date: / /

To,

The Director
Directorate of Medical Education (DME)
Anand Rao Circle
Bengaluru - 560009

Ladies / Gentlemen,

RFP Ref. No. DME/EH/S No/Lab Interface/06/2018-19 Dated 16/06/2020

Subject: Technical Proposal for
.....

We, the undersigned, offer to provide the Digitization of Files services for the above in accordance with your Request for Proposal vide no. dated / / We are hereby submitting our Proposal which includes this Technical Proposal and a Financial Proposal.

If negotiations are held during the period of validity of the Proposal, i.e., before / /, we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from contract negotiations.

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature:	
Name:	
Title:	
Company Seal:	

2. Details of Consultant

Sl.	Particulars	Details				
1.	Company Name					
2.	Address of Registered Office					
3.	Contact Details	Landline				
		Mobile				
		Fax				
		Email				
4.	Director / CEO details	Name				
		Landline				
		Mobile				
		Fax				
		Email				
5.	Authorized Signatory for this RFP	Name				
		Landline				
		Mobile				
		Fax				
		Email				
		[Bidder should submit <i>Power of Attorney</i> authorizing to submit proposal and to represent the company for this RFP]				
6.	Branch Offices	Sl.	City	State	Address	Landline
		1.				
		2.				

Authorized Signature:	
Name:	
Title:	
Company Seal:	

3. Consultant's references

[Relevant Services Carried Out in the Last Five Years that Best Illustrate Qualifications]

Using the format below, provide information on each reference assignment for which your firm/company was legally contracted.

Sl.	Particulars	Details			
1.	Assignment Name				
2.	Order number and date				
3.	Client Name				
4.	Client Address				
5.	Client Contact Details	Name	Designation	Mobile	Email
6.	Contract Start Date				
7.	Contract Completion Date				
8.	Contract Value				
9.	Number of files scanned				
10.	Total pages scanned				
11.	Average pages per file				
12.	Contract Period				
13.	Staff provided by your firm / company	Sl.	Position of Staff	Number of Staff	No. of Months
		1.			
		2.			
14.	Scope of work of Contract				
15.	Contract Status				

Authorized Signature:	
Name:	
Title:	
Company Seal:	

4. Comments and suggestions on the Terms of Reference and facilities to be provided by the Client

Sl.	Particulars	Comments and Suggestions
1.	Terms of Reference	
2.	Data, services & facilities to be provided by the client	

Authorized Signature:	
Name:	
Title:	
Company Seal:	

5. Description of the methodology and work plan for performing the assignment

To be submitted by the bidder in their proposed solution.

6. Compliance Statement

6.1. Lab Interface - Laboratory Equipment Interface software (for NIC's eHospital software) with perpetual and unlimited licenses

Make		Model	
Sl.	Specification	Complied? [Yes / No]	
1.	It is the responsibility of the bidder to carry out requirements study, design, development, testing, installation and commissioning of the Laboratory Equipment Interface Software for EHospital and all laboratory equipments present in the department.		
2.	It is the responsibility of the bidder to obtain the complete list of laboratory equipments available at all the Medical Education Institutions in Karnataka State and provide Laboratory Equipment Interface Software for interfacing the same. The list of laboratory equipments listed in section 4.1 is only indicative and provided for illustration purpose only.		
3.	It is the responsibility of the bidder to customize the Laboratory Equipment Interface Software for any new laboratory equipment procured by Medical Education Institutions at no additional cost during the warranty period.		
4.	It is the responsibility of the bidder to supply, install, configure, test and commission one server and one online UPS per Medical Education Institution along with the Laboratory Equipment Interface Software and integrate all the Laboratory Equipments in the Medical Education Institution to the server.		
5.	The Laboratory Equipment Interface Software should interface with the laboratory equipment through LAN network, wherein all Laboratory equipments are interconnected to the Server through LAN.		
6.	3 years onsite warranty		

6.2. Lab Interface – Servers

Sl.	Particulars	Technical Specification
1.	CPU	1 x Intel Xeon Processor E3-1225v6Quad Core 3.30 Ghz 8MB Cache or latest
2.	Maximum CPUs supported	One (1)
3.	Memory	2 x 16GB ECC DDR4 2133 / 2400MT/s or latest
4.	Hard Drives	2 x 2.5" 1TB10K SAS HDD or latest
5.	RAID controller	RAID 6, RAID 5, RAID 10, RAID 1, RAID 0 with RAID controller
6.	DVD	DVD RW
7.	I/O Slots	Should support 2 x PCIe Slots or more

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Sl.	Particulars	Technical Specification
8.	Ethernet	2 x 1G Ethernet
9.	Certification	Should have following certifications: ➤ Windows Server 2016 ➤ Should be BIS / CE certified ➤ Should be ROHS compliant
10.	Power suppl	Redundant power supply
11.	Power & Temperature Monitoring	Realtime power meter, graphing, thresholds, temperature monitoring and graphing, alerts & capping with historical power counters
12.	Failure alert	Should provide predictive failure monitoring and proactive alerts of actual or impending component failure for fan, power-supply, memory, CPU, RAID, NIC, HDD, etc.
13.	Configuration & Management	<ul style="list-style-type: none"> ➤ Realtime hardware performance monitoring & alerts ➤ Agent-free monitoring, driver updates and configuration, power monitoring & capping, RAID management, system health ➤ Hardware & firmware inventory ➤ Auto configuration and auto deploy baseline server configuration profile ➤ Automated software configuration and operating system deployment to multiple servers ➤ Repository manager and self-updating firmware system ➤ Virtual I/O management / stateless computing ➤ HTML5 support for virtual console & virtual media without using Java or ActiveX plugins
14.	Security	<ul style="list-style-type: none"> ➤ Cyber resilient architecture for a hardened server design to protect, detect, recover from cyber attacks ➤ Should protect against firmware which executes before the OS boots ➤ Should provide protection, detection and recovery using hardware root of trust, signed firmware updates, secure default passwords, configuration and firmware drift detection, persistent event logging including user activity, secure alerting, automatic BIOS recovery, rapid OS recovery, system erase ➤ Configuration updates should be only with cryptographically signed firmware and software ➤ Should have system lockdown to prevent change/drift in system firmware images and prevent malicious modification of server firmware. ➤ Intrusion alert if chassis is being opened
15.	Rack Mount	The cost quoted shall be inclusive of all hardware, tools, accessories, etc. required to successfully mount the system in the rack.
16.	Height	1U / 2U Rack Mountable
17.	Accessories	The cost quoted shall be inclusive of all hardware, tools, accessories, power cords, etc. required to successfully configure and commission the system along with the LAN
18.	Warranty	3 years onsite warranty

6.3. Lab Interface - Server Operating System (Academic License)

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Operating system	<ul style="list-style-type: none"> ➤ The bidder should specify the server operating system and the version which will be supplied, installed, configured and maintained during the warranty period ➤ Windows Server / RHEL / Suse / CentOS / etc. 	
2.	Cost	<ul style="list-style-type: none"> ➤ The cost quoted by the bidder shall include but not limited, to supply, perpetual license, installation, testing, commissioning and maintenance of the operating system during the warranty period. 	
3.	License	<ul style="list-style-type: none"> ➤ It is the responsibility of the bidder to quote for adequate number of licenses (without breach of licensing policy of OEM) based on the configuration and the requirements of this RFP requirements. ➤ In case of any claim by the OEM regarding any breach of licensing policy it is the responsibility of the bidder to regularize such breach at no additional cost to the Purchaser. 	
4.	Warranty	<ul style="list-style-type: none"> ➤ 3 years onsite warranty 	

6.4. Lab Interface - Connectors & Cables (USB to LAN, RS232 to LAN, LAN Patch Chord, etc.)

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Warranty	<ul style="list-style-type: none"> ➤ 3 years onsite warranty 	

6.5. Lab Interface - Interfacing of Laboratory Equipments to the Lab Interface Server and NIC's LIS Module

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]

**RFP for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at
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Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Laboratory Equipments	➤ Details of Laboratory Equipments to be Interfaced is as stated at Section IV (2)	
2.	Warranty	➤ 3 years onsite warranty	

6.6. Lab Interface –Interactive Kiosk

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Enclosure	<ul style="list-style-type: none"> ➤ Metal sheet with powder coated finish or Stainless steel body ➤ Should have two access / service doors with lock ➤ Should have proper cable, hardware and accessories management ➤ Wheels with break shoe ➤ Should have ventilation fan ➤ Should have ergonomic design ➤ Should have provision for interchangeable and secure hardcopy advertisement display on the enclosure body on front and rear sides 	
2.	Monitor	➤ Minimum 15” LCD TFT Touch Screen monitor	
3.	CPU	➤ Minimum Intel i3 processor latest generation or better	
4.	RAM	➤ Minimum 8GB DDR4 RAM	
5.	UPS	➤ Should be provided with appropriate capacity of UPS with minimum 10 minutes battery backup	
6.	Speaker	➤ Should have built in speakers	
7.	Keyboard / Mouse	➤ Industrial / rugged keyboard with trackball	
8.	Printer	➤ Should be provided with printer to print A4 size reports	
9.	Barcode Scanner	➤ Should be provided with barcode scanner to scan eHospital UHID barcode	
10.	Warranty	➤ 3 years onsite warranty	

6.7. Lab Interface - Online UPS 1KVA for Servers

Make		Model	
Sl.	Particulars	Technical Specification	
1.	UPS Type	1 KVA Online UPS	
2.	Battery backup	Minimum 8 minutes at full load	
3.	Technology	IP (Double Conversion IGBT inverter technology based pure sine wave) UPS at 0.8 PF full load having input voltage range (160V-270V)	
4.	Input power factor	≥ 0.9	
5.	Crest factor	$\geq 3:1$	
6.	THD voltage	$< 3\%$ for Linear, $< 5\%$ for Non-Linear Load	
7.	Output voltage regulation	$< \pm 1\%$	
8.	Output frequency variation	$\leq 0.5\%$	
9.	Overall Efficiency	$\geq 85\%$	
10.	Inverter Efficiency	$\geq 90\%$	
11.	Voltage, Frequency & Phase	Input Voltage - $220\text{ V} \pm 50\text{ V}$ Input Frequency - $50\text{ Hz} \pm 5\text{ Hz}$ Output Voltage - $220\text{ V} / 230\text{ V}$ Output Frequency - 50 Hz Input Phase - Single-phase Output Phase - Single-Phase	
12.	Bypass	Static or Manual bypass	
13.	Overload capacity	150% for 30 Seconds, 125% for 1 minute or better	
14.	Transformer	If UPS design requires Inbuilt Galvanic isolation transformer at input side for Input Voltage stabilization, the same should be provided from Day 1	
15.	Batteries	SMF batteries (VRLA) complying JIS C8702 and with Maintenance free battery	
16.	Computer Interface	Software with communication interface for monitoring the health of the UPS. Automatic shutdown under Windows & Diagnostics.	
17.	Protection	Automatic discharge protection with self-test Features, Overload, Surge protection, Input fault, Cold start, Low Battery, Battery over charge, Output short circuit, Charging Current Circuit, Inverter over temperature	
18.	LCD Display	Output voltage, Output current, Output frequency, Input Voltage, Battery Voltage. LCD Display without displaying of Output Current will also be	

Make		Model	
Sl.	Particulars	Technical Specification	
		accepted.	
19.	Load Test	At 100 % load on Resistive load	
20.	Certifications	1. Certified by CPRI or ETDC or NABL or CE or equivalent approved Testing Laboratories, such Copy of Test Certificate shall be enclosed. 2. BIS for Product 3. OHSAS (Occupational Health and Safety System) for System	
21.	Enclosure	Should be supplied along with a perforated powder coated enclosure for the UPS and battery rack. The enclosure should be mounted on a 1 inch base made of waterproof and termite-proof plywood which is laminated.	
22.	Warranty	3 year onsite Warranty, including batteries	

6.8. NIC LIS – Servers

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	CPU	➤ 2 x Intel Xeon E5-2600v4 Octa Core 3GHz 45MB cache processor or latest	
2.	Maximum CPUs supported	➤ 2	
3.	Memory	➤ 4 x 32GB ECC DDR4 2400MT/s	
4.	Memory Scalability	➤ Should be scalable to 16 DDR4 DIMM slots or more ➤ Should be scalable up to 512 GB or more	
5.	Hard Drives	➤ 2 x 2.5” 800GB SSD	
6.	Hard Drives Scalability	➤ Should support minimum of 10 SSDs or HDDs	
7.	RAID controller	➤ 12Gbps PCIe 3.0 with RAID 1, 5, 10, 50	
8.	DVD	➤ DVD RW	
9.	I/O Slots	➤ Should support 3 x 16 PCIe Slots or more	
10.	Ethernet	➤ 2 x 10G Ethernet ➤ 2 x 1G Ethernet (onboard)	
11.	Certification	➤ Should have following certifications: ➤ Windows Server 2016 ➤ VMWare ➤ Redhat Enterprise Linux ➤ Suse Enterprise Linux ➤ Should be BIS / CE certified	

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Make			Model		
Sl.	Technical Specification			Complied? [Yes /No]	
		➤ Should be ROHS compliant			
12.	Power supply & Fan	➤ Redundant power supply and Redundant Fan			
13.	Power & Temperature Monitoring	➤ Realtime power meter, graphing, thresholds, temperature monitoring and graphing, alerts & capping with historical power counters			
14.	Failure alert	➤ Should provide predictive failure monitoring and proactive alerts of actual or impending component failure for fan, power-supply, memory, CPU, RAID, NIC, HDD, etc.			
15.	Configuration & Management	<ul style="list-style-type: none"> ➤ Realtime hardware performance monitoring & alerts ➤ Agent-free monitoring, driver updates and configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBS, & CNA & system health ➤ Hardware & firmware inventory ➤ Auto configuration and auto deploy baseline server configuration profile ➤ Automated software configuration and operating system deployment to multiple servers ➤ Repository manager and self-updating firmware system ➤ Virtual I/O management / stateless computing ➤ HTML5 support for virtual console & virtual media without using Java or ActiveX plugins 			
16.	Security	<ul style="list-style-type: none"> ➤ Cyber resilient architecture for a hardened server design to protect, detect, recover from cyber attacks ➤ Should protect against firmware which executes before the OS boots ➤ Should provide protection, detection and recovery using hardware root of trust, signed firmware updates, secure default passwords, configuration and firmware drift detection, persistent event logging including user activity, secure alerting, automatic BIOS recovery, 			

**RFP for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at
Medical Education Institutions**

Make			Model	
Sl.	Technical Specification			Complied? [Yes /No]
		<ul style="list-style-type: none"> rapid OS recovery, system erase ➤ Configuration updates should be only with cryptographically signed firmware and software ➤ Should have system lockdown to prevent change/drift in system firmware images and prevent malicious modification of server firmware. ➤ Intrusion alert if chassis is being opened 		
17.	Rack Mount	<ul style="list-style-type: none"> ➤ Should be rack mount type ➤ The cost quoted shall be inclusive of all hardware, tools, accessories, etc. required to successfully mount the system in the rack. 		
18.	Operating System	➤ CentOS 7		
19.	Database	➤ Postgres SQL 9.6		
20.	Application Server	<ul style="list-style-type: none"> ➤ Apache Tomcat 8.0 ➤ JDK8 		
21.	Accessories	➤ The cost quoted shall be inclusive of all hardware, tools, accessories, power cords, etc. required to successfully configure and commission the system along with the LAN & NAS.		
22.	Warranty	➤ 3 years onsite warranty		

6.9. Legacy LIS - Interfacing with Legacy LIS Provider

Make			Model	
Sl.	Technical Specification			Complied? [Yes /No]
1.	Legacy Database	➤ It is the responsibility of the Service Provider to interface with Legacy LIS prover and ensure that the Legacy LIS database dump is retrieved from the Legacy LIS and a working copy is installed in the LIS server for reporting and analytics		
2.	Report of Legacy LIS	➤ It is the responsibility of the services provider to provide reports in pdf, csv, excel, etc. formats of the Legacy LIS database as per the formats provided by the Institute		

**RFP for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at
Medical Education Institutions**

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
		and/or NIC from time to time.	
3.	Warranty	➤ 3 years onsite warranty	

6.10. Internet of Things - IoT Sensor Devices

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
4.	Requirement	➤ Should realtime monitor medical equipment devices and transmit sensor data to IoT Cloud through the Gateway	
5.	Monitoring	➤ Should monitor equipment status, equipment performance and self. ➤ Should realtime monitor medical equipments working on single phase electric power	
6.	Warranty	➤ 3 years onsite warranty	

6.11. Internet of Things - IoT Gateways

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Requirement	➤ Should receive sensor data from IoT Sensor Devices and securely transmit them the IoT Cloud and to Dashboard.	
2.	Monitoring	➤ Should monitor self.	
3.	Warranty	➤ 3 years onsite warranty	

6.12. Internet of Things - IoT Dashboard webapp and mobileapp perpetual license

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Requirement	➤ Should be able to add medical equipment based on users, institution, department, location, etc. ➤ Should present sensor data in user understandable infographics.	

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
		➤ Alert, triggers and notifications based on configurable settings.	
2.	Integration	➤ Should be integrated with NIC EMAN software	
3.	Warranty	➤ 3 years onsite warranty	

6.13. Internet of Things - IoT M2M GPRS SIM

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Requirement	➤ Should transmit sensor data from Gateway to IoT Cloud through Telecom Service Provider using 2G / 3G / 4G / etc.	

6.14. Internet of Things - IoT Cloud Services

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Requirement	➤ IoT Cloud Services such as AWS / Google Cloud / etc.	
2.	On-premise cloud	➤ In case Client provides on-premise cloud infrastructure and environment, it is the responsibility of the service provider to migrate the solution to on-premise cloud at no additional cost.	

6.15. Training - Training to Staff and/or System Engineers

Make		Model	
Sl.	Technical Specification		Complied? [Yes /No]
1.	Duration	➤ One day training should be for minimum of 7 hours	
2.	Type	➤ Should provide classroom as well as hands-on training	
3.	Materials	➤ Should provide manuals, ppt, references, etc. for the training provided	
4.	Training	➤ Should maintain training documents	

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Make			Model		
Sl.	Technical Specification			Complied? [Yes /No]	
	documentations	like training schedule, training attendance, training feedback, training effectiveness, etc.			
5.	Scope	<ul style="list-style-type: none"> ➤ Should include installation, configuration, testing, commissioning of Laboratory Equipment Interface software, Server, operating system, Connector cables, and successfully interface the Laboratory Equipments ➤ Should include installation, configuration, testing, commissioning of IoT sensor devices and Gateways ➤ Should include user training for IoT webapp and mobileapp 			

Authorized Signature:	
Name:	
Title:	
Company Seal:	

7. Time schedule

[The bidder should submit their proposed details timelines for the completion of the project]

8. Activity (work) schedule.

[Not Used]

9. Format of Annual Turnover Statement

[To be printed on letter head of Chartered Accountant.]

[Should be duly signed and certified by Chartered Accountant]

The Annual Turnover of M/s _____ during the past five years are given below.

Sl.	Financial Year	Turnover (in Crores)
1.	2016-17	
2.	2017-18	
3.	2018-19	

We certify that the above turnover statement is true and correct.

Signature of Chartered Accountant	
Seal of Chartered Accountant	
Registration Number	
Name of Chartered Accountant	
Date	
Place	

10.Format of Affidavit

[To be submitted by bidder's authorized person on Stamp Paper of Rs. 100/-]

[The affidavit shall be notarized]

AFFIDAVIT

This affidavit is executed by M/s
on day ____, Year ____, having its registered office at
.....for the Request for
Proposal of Directorate of Medical Education, Bangalore for
..... vide reference no.
.....dated ../../.....

We / I hereby declare and undertake on oath as follows:

1. We / I that all the information, documents, testimonials, certificates, curriculum vitae, etc., submitted by us for the above-mentioned proposal are all correct and genuine.
2. We / I declare that the Purchase Order, Invoices, Certifications, proof of payment, Certificates, etc. submitted by us are correct and genuine.
3. We / I declare that our firm / company M/s. is not blacklisted or de-registered by any Government / Quasi Government / other organization.
4. We / I are aware that if one or more of the above declarations and undertakings are found to have been violated/breached, then We / I shall be blacklisted by Directorate of Medical Education for the period of five years.

Identified by me:

Deponent

Advocate

Name:

Title:

Company:

Date:

Place:

11. Consortium Agreement

[To be submitted by bidder's authorized person on Stamp Paper of Rs. 200/-]

[The Consortium Agreement shall be notarized]

CONSORTIUM AGREEMENT

This Consortium Agreement (hereinafter the "Agreement") entered into by made this _____ day of _____, Two Thousand and _____ (“Date of Signing”)

BETWEEN

....., having their principal place of business at
..... for and on behalf of himself/themselves,
his/their, heirs, executors, administrators and permitted assigns (hereinafter called "the Bidder") of the ONE PART;

AND

....., having their principal place of business at
..... for and on behalf of himself/themselves,
his/their, heirs, executors, administrators and permitted assigns (hereinafter called "the Bidder") of the SECOND PART;

RECITALS

- A. Directorate of Medical Education(DME) (hereinafter referred to as “DME”) has issued a Request for Proposal vide no. _____ dated __/__/____ (hereinafter referred to as “RFP”), inviting bids for appointing Service Providers Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions (hereinafter the “PROJECT”);
- B. The Bidders have formed a consortium and hereby enters into this Agreement and the Parties have agreed to the participate as members of the Consortium subject to said terms and conditions of this Agreement;
- C. The members of the Agreement shall each be referred to as the “Party” and together as the “Parties”;

NOW THEREFORE, in consideration of the mutual covenants of the Parties, the sufficiency whereof is hereby acknowledged and other good valuable consideration, the Parties agree as follows:

1) Definitions and Interpretation

a)Definitions

Capitalized terms used in this Agreement shall have their respective defined meanings, and/or shall have the meaning specified in the Contract and the Tender Document, unless the context expressly or by necessary implication otherwise requires.

- i) “Contract” shall mean the Contract entered into by the Bidder and DME.

b) Interpretation

- i) For the purpose of this Agreement, where the context so admits, (i) the singular shall be deemed to include the plural and vice-versa, and (ii) masculine gender shall be deemed to include the feminine gender and vice-versa.
- ii) References to a “person” if any shall, where the context so admits, include references to natural persons, partnership firms, companies, bodies corporate and associations, whether incorporated or not or any other organisation or entity including any governmental or political subdivision, ministry, department or agency thereof;
- iii) The headings and sub-headings are inserted for convenience only and shall not affect the construction and interpretation of this Agreement.
- iv) References to the word “include” and “including” shall be construed without limitation.
- v) any reference to day shall mean a reference to a calendar day;

2) Purposes of Consortium Agreement

- a) The purpose of this Agreement is to specify the responsibilities of the Parties towards DME, supplement the provisions of the Contract and the RFP Document concerning the PROJECT and to set out further rights and obligations of the Parties supplementing but not conflicting with those present in the Contract and the Tender Document.

3) Duration

- a) This Agreement shall come into force as of the Date of Signing and shall continue in full force and effect until the complete discharge of all obligations, concerning the carrying out of the PROJECT, which have been taken on by the Parties under the Contract, RFP Document and under this Agreement.

4) Coordinator

- a) The Parties hereby understand and agree that as per the RFP, there shall be a “Lead Member” who shall be the point of contact for the purpose of the Project. It is hereby agreed by the Parties that for the purpose of the Agreement M/s has been appointed as Lead Member. The Lead Member shall be specifically authorised by the Parties to make representations and declarations on their behalf.

- b) For the purpose of this Agreement, the Request for Proposal (hereinafter referred to as “RFP”) and the Contract, the Lead Member shall be the single point of contact for DME, shall have the overall responsibility of the management of the Project and shall have single point responsibility for ensuring that all members of the consortium are complying with the terms and conditions set out in the Contract and the RFP Document.
- c) Lead Member shall be solely responsible for the successful completion of the entire project.
- d) Lead Member shall be solely responsible for submission of EMD, Security Deposit, etc.
- e) All payments shall be released by DME to the Lead Member only.
- f) The Lead Member shall be liable and responsible for the actions of its consortium members.
- g) The Lead Member shall be liable for all legal actions pertaining to the project.
- h) All instructions / communications from DME to the Lead Member shall be deemed to have been duly provided to all the members of the consortium.

5) Rights and Obligations

- a) The Lead Member shall be solely responsible for the transmission of any documents and information connected with the Project to the Parties concerned.
- b) It is hereby clarified that representations and declarations made by the Lead Member shall be legally binding on all the Parties of the Agreement.
- c) The Parties shall use reasonable efforts to perform and fulfill, promptly, actively and on time, all of its obligations under the Tender Document, Contract and this Agreement.

6) Responsibilities towards each other

- a) Each Party undertakes to :-
 - i) to promptly notify the Lead Member about any significant delay in fulfillment of milestones in relation to the Project;
 - ii) to promptly inform Lead Member of relevant communications it receives from third parties in relation to the Project.
- b) Parties shall use reasonable efforts to ensure the accuracy of any information or materials it supplies hereunder or under the Contract and promptly to correct any error that came to its knowledge.
- c) Each Party shall act in good faith. When a Party believes that for carrying out the Project or use of knowledge from the Project it might require access rights to another Party’s pre-existing know-how or to another Party's knowledge and material which is not from the Project, it shall obtain written permission from the Party prior to the use of such material.
- d) Each Party shall abide with the terms of confidentiality as described in RFP.

- e) Each Party shall share and disclose information including confidential information and documents as may be necessary for the Project. The Parties hereby understand and agree that the information shall be used solely for the purpose of the Project and not for its own use or for any third-party benefit.

7) Liabilities

a) Liability towards each other

- i) The Parties hereby understand and agree that the Lead Member shall be solely responsible and liable for any default with regard to the deliverables under the terms and conditions of the Contract and the Tender document.

b) Indemnification of a Party each other

- i) Each Party shall indemnify each of the other Parties, in respect of liability resulting from acts or omissions of itself.

c) Liability towards Third Parties

- i) Subject always to such other undertakings and warranties as are provided for in this Agreement and the Contract, the Lead Member shall be solely liable for any loss, damage or injury to third parties resulting from carrying out the Project and from its use of knowledge and/or know how.

8) Assignment

- a) No Party shall, without the prior written consent of the DME and of the other Parties, assign or otherwise transfer partially or totally any of its rights and obligations under this Agreement.

9) Representation and Warranties

a) The Parties hereby represents and warrants that: -

- i) They are duly organised and validly existing under the laws of India and have full power and authority to enter into this Agreement and to perform its obligations under this Agreement. The execution and validity of this Agreement and the consummation of the transactions contemplated by this Agreement have been duly authorised by all necessary action on the part of the Parties;
- ii) This Agreement constitutes a valid and binding obligation of the Parties, enforceable against them in accordance with the terms hereof, and the execution, delivery and performance of this Agreement and all instruments or agreements required hereunder do not contravene, violate or constitute a default of or require any consent or notice under any provision of any agreement or other instrument to which the Bidder is a party or by which the Bidder are or may be bound.
- iii) Each of the representations and warranties shall be construed as a separate representation, warranty, covenant or undertaking, as the case may be, and shall not be limited by the terms of any other representation or warranty or by any other term of this Agreement.

- iv) The Parties have read, understood and agree with the terms of this Agreement, the Contract and the RFP Document.

10) Miscellaneous

- a) Notices, demands or other communication required or permitted to be given or made under this Agreement shall be in writing in the English language and delivered personally or sent by prepaid post with recorded delivery addressed to the intended recipient at its address set forth below:

- i) If to the Party of the First Part

.....
.....
.....

- ii) If to the Party of the Second Part

.....
.....
.....

- b) Any such notice, demand or communication shall, unless the contrary is proved, be deemed to have been duly served at the time of delivery in the case of service by delivery in person or by registered post.
- c) Each Party shall bear its own legal, accounting, professional and advisory fees, commissions and other costs and expenses incurred by it in connection with this Agreement and the transactions contemplated herein.
- d) This Agreement supersedes all prior discussions and agreements (whether oral or written, including all correspondence) if any, between the Parties with respect to the subject matter of this Agreement. In the event of any conflict between the terms of this Agreement and the Contract and the Tender Document, the terms of the Contract shall prevail.
- e) Any provision of this Agreement, which is invalid or unenforceable, shall be ineffective to the extent of such invalidity or unenforceability, without affecting in any way the remaining provisions hereof.
- f) This Agreement shall be governed and interpreted by, and construed in accordance with the substantive laws of India, without giving effect to the principles of conflict of laws there under.
- g) Any and all disputes or differences between the Parties arising out of or in connection with this Agreement or its performance shall, so far as it is possible, be settled amicably through consultation between the Parties
- h) If after 30 (thirty) days of consultation, the Parties have failed to reach an amicable settlement, on any or all disputes or differences arising out of or in connection with this Agreement or its performance, such disputes or differences shall be submitted to final and binding arbitration. The arbitration panel shall consist of three arbitrators: one nominated by [add name of Party

of the First Part], one nominated by [add name of Party of the Second part] and the third nominated by [add name of Party of the Third Part]. The arbitration shall be governed by the Arbitration and Conciliation Act, 1996. The place of arbitration shall be Bengaluru, India. The language to be used in the arbitration proceedings shall be English. The award of the arbitration proceedings will be final and binding on the Parties to the Agreement.

- i) This Agreement shall be Governed by the laws of India and shall be restricted to Bengaluru jurisdiction only.

IN WITNESS WHEREOF, the Parties have entered into this Agreement the day and year first above written.

[add name of Party of the First Part]

Authorised Signatory:

Name:

Designation:

[add name of Party of the Second Part]

Authorised Signatory

Name:

Designation:

In the presence of

By:

Name:

Address:

In the presence of

By:

Name:

Address:

SECTION IV – FINANCIAL PROPOSAL – STANDARD FORMS

1. Financial Proposal Submission Form

[To be submitted on company letter head]

Date: / /

To,

The Director
Directorate of Medical Education (DME)
Anand Rao Circle
Bengaluru - 560009

Ladies / Gentlemen,

RFP Ref. No.

Subject: Technical Proposal for
.....

We, the undersigned, offer to provide the consulting services for the above in accordance with your Request for Proposal dated / /, and our Proposal (Technical and Financial Proposals). Our attached financial proposal is for the sum of Rs. /- (Rupees Only).

Our financial proposal shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the Proposal, i.e., / /

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature:	
Name:	
Title:	
Company Seal:	

2. Details of Laboratory Equipments to be Interfaced

[Please note that the list of laboratory equipments stated herein below are indicative only. The actual number of laboratory equipments should be ascertained by the service provider after the order is released at the time of execution of the project. It may be noted the Client reserves the right to increase or decrease one or more categories of laboratory equipments at the time of execution of the project.]

Sl .	Medical Education Institution	Department	Laboratory Equipment	Model No.	Manufacturer
1.	BMCRI TRAUMA HOSPITAL	Haematology (PATHOLOGY)		DxH500	BACKMEN COULTER
2.	BMCRI TRAUMA HOSPITAL	Haematology (PATHOLOGY)		Sr No : B4489	Sysmex KX-21 PT or APTT
3.	BMCRI TRAUMA HOSPITAL	BIOCHEMISTRY		ERBA Chem 5x	ERBA Chem 5x , Anjan Distributors , Semi Automated
4.	BMCRI TRAUMA HOSPITAL	BIOCHEMISTRY	CKKI Electrolytes	CKKL - 210	CKKI Electrolytes , ARK Diagnostics
5.	BMCRI VICTORIA HOSPITAL	Haematology (PATHOLOGY)	Beckman Coulter Analyser	AU28103	Beckman Coulter LH780 Analyser
6.	BMCRI VICTORIA HOSPITAL	Haematology (PATHOLOGY)	Beckman Coulter Analyser	BA46036	Beckman Coulter LH780 Analyser
7.	BMCRI VICTORIA HOSPITAL	Haematology (PATHOLOGY)	Counter Cellular Analyser System	dxh800	Unicel Dxh800
8.	BMCRI VICTORIA HOSPITAL	Haematology (PATHOLOGY)	D-Dimer	MISPA i2 SI No : 21161631616	MISPA
9.	BMCRI VICTORIA HOSPITAL	Haematology (PATHOLOGY)		AggRAM (AGAPPE)	Agappe Diagnostics Ltd
10.	BMCRI VICTORIA HOSPITAL	Haematology (PATHOLOGY)		Sysnex CA-600	Sysnex
11.	BMCRI VICTORIA HOSPITAL	BIOCHEMISTRY		AU480	Beckman Coulter
12.	BMCRI VICTORIA HOSPITAL	BIOCHEMISTRY		SI No : 2012631210	Beckman Coulter
13.	BMCRI VICTORIA HOSPITAL	BIOCHEMISTRY		Access2	Beckman Coulter
14.	BMCRI VICTORIA HOSPITAL	BIOCHEMISTRY		SI No : 508786	Beckman Coulter
15.	BMCRI VICTORIA HOSPITAL	MICROBIOLOGY	Automated Blood Culture System	VITEK 2 COMPACT	ADITYA SURGICAL CO
16.	BMCRI VICTORIA HOSPITAL	MICROBIOLOGY		SL VK2C16788	ADITYA SURGICAL CO
17.	BMCRI VICTORIA HOSPITAL	MICROBIOLOGY		HSN CODE : 90275090	ADITYA SURGICAL CO
18.	BMCRI VICTORIA HOSPITAL	MICROBIOLOGY	Automated Culture ID and AST System	Model - BACT ALERT 3D 240	ADITYA SURGICAL CO
19.	BMCRI VICTORIA HOSPITAL	MICROBIOLOGY		HSN CODE : 90275090	ADITYA SURGICAL CO
20.	BMCRI VICTORIA HOSPITAL	MICROBIOLOGY		SL NO : 612CM8865	ADITYA SURGICAL CO

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Sl .	Medical Education Institution	Department	Laboratory Equipment	Model No.	Manufacturer
21.	BMCRI VANIVILAS HOSPITAL	Haemotology(PATHOLOGY)		AU44169	BACKMEN COULTER(Full Automatic) 5 parts
22.	BMCRI VANIVILAS HOSPITAL	Haemotology(PATHOLOGY)		Sr No : B4489	Sysmex KX-21
23.	BMCRI VANIVILAS HOSPITAL	BIOCHEMISTRY		serila no : 400061	Cobas Intergra 400 plus
24.	BMCRI VANIVILAS HOSPITAL	BIOCHEMISTRY	ABG		ESCHWEILER
25.	BMCRI VANIVILAS HOSPITAL	BIOCHEMISTRY	ELECTROLYTE ANALYSER	16437	Roche 9180 ELECTROLYTE ANALYSER
26.	B&LC	PATHOLOGY		LH780	BECKMAN COULTER PVT LTD
27.	B&LC	PATHOLOGY	PART ANALYZER	SYSMAX 3 PART ANALYZER	TRANSISIA
28.	B&LC	BIOCHEMISTRY		AU480	BECKMAN COULTER PVT LTD
29.	B&LC	BIOCHEMISTRY		ACCESS-2	BECKMAN COULTER PVT LTD
30.	B&LC	BIOCHEMISTRY	EASYLYTE ANALYZER	EASYLYTE ANALYZER	M/S RADIOMETER
31.	B&LC	BIOCHEMISTRY		ABG	M/S RADIOMETER
32.	BIMS BELGUAM	PATHOLOGY	Haemotology Cell Counter	Haemotology Cell Counter KX21	Transasia Bio-Medicals Ltd Bangalore
33.	BIMS BELGUAM	BIOCHEMISTRY	Fully Automated Biochemistry Analyzer	1.ErbaEM 360 (Transasia)	Transasia - Erba
34.	BIMS BELGUAM	BIOCHEMISTRY	Fully Automated Biochemistry Analyzer	2.Transasia - ErbaXL 640	Transasia - Erba
35.	BIMS BELGUAM	BIOCHEMISTRY	Semi automated Biochemistry analyzer	1.Transasia - Erba Mannheim CHEM-7	Transasia - Erba
36.	BIMS BELGUAM	BIOCHEMISTRY	Semi automated Biochemistry analyzer	2.Transasia - Erba Mannheim CHEM-5Plus	Transasia - Erba
37.	BIMS BELGUAM	BIOCHEMISTRY	HbA1C Analyzer (Warranty)	BioRad - D10 HbA1C	BioRad
38.	BIMS BELGUAM	BIOCHEMISTRY	Electrolyte analyzer (Warranty)	1.Transasia - MEDICA Easylyte Na/K analyzer	Transasia - Erba
39.	BIMS BELGUAM	BIOCHEMISTRY	Electrolyte analyzer (Warranty)	2. Roche 9180	Roche
40.	BIMS BELGUAM	BIOCHEMISTRY	Electrolyte analyzer (Warranty)	3.ST 200 CL Sensacore Health Care	Sensacore
41.	BIMS BELGUAM	BIOCHEMISTRY	Hormone Analyzer (Warranty)	ChemiluminescenceHormone Analyzer	Diasorin - LIAISON
42.	BIMS BELGUAM	BIOCHEMISTRY	Electrophoresisanalyzer	Electrophoresisanalyzer	SEBIA Hydragel
43.	BIMS BELGUAM	BIOCHEMISTRY	Blood Gas Analysers	Blood Gas Analysers ABL80	DHR Holding Pvt Ltd Bangalore
44.	BIMS BELGUAM	MICROBIOLOGY	Elisa Reader with Washer	Elisa Reader with Washer	Unitron Bio Medical Bangalore
45.	BRIMS BIDAR	PATHOLOGY	AUTOMATED HEMATOLOGY ANALYZER	MEK-7300K	NIHAN KOHDEN CORPORATION
46.	BRIMS BIDAR	PATHOLOGY	AUTOMATED HEMATOLOGY ANALYZER	KX-21	SYSMEX CORPORATION
47.	BRIMS BIDAR	BIOCHEMISTRY	CHEMISTRY ANALYZER	MISPAVIVA	AGAPPE DIAGNOSTICS LTD
48.	BRIMS BIDAR	BIOCHEMISTRY	ABG MACHINE	RADIOMETER R80	MADE IN USA
49.	BRIMS BIDAR	BIOCHEMISTRY	ELECTROLYTE	EASYLYTE	MEDICA

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Sl .	Medical Education Institution	Department	Laboratory Equipment	Model No.	Manufacturer
			ANALYZER		CORPORATION
50.	BRIMS BIDAR	BIOCHEMISTRY	MALGLUMI Fully-auto chemiluminescence immunoassay analyzer	Maglumi 1000	SHENZHEN NEW INDUSTRIES BIOMEDICAL ENGINEERING CO.,LTD.
51.	BRIMS BIDAR	BIOCHEMISTRY	GLYCOLATED HEMOGLOBIN ANALYZER	BIO-RAD(D-10 HEMOGLOBIN TESTING SYSTEM)	BIO-RAD LABORATORIES
52.	BRIMS BIDAR	BIOCHEMISTRY	SEMI AUTO ANALYSER-TRANSASIA	CHEM-5 Plusv2	TRANSASIA BIO-MEDICALS LTD.
53.	BRIMS BIDAR	BIOCHEMISTRY	AUTOMATED RANDOM ACCESS CLINICAL CHEMISTRY ANALYSER	XL-300	TRANSASIA BIO-MEDICALS LTD.
54.	CIMS CHAMARAJANA GAR	PATHOLOGY		SYSMEX XN-330	Transasia
55.	CIMS CHAMARAJANA GAR	PATHOLOGY		SYSMEX XN-1000	Transasia
56.	CIMS CHAMARAJANA GAR	BIOCHEMISTRY		ERBA xl-640	Transasia
57.	CIMS CHAMARAJANA GAR	BIOCHEMISTRY		Chem 5 V2 plus	Transasia
58.	CIMS CHAMARAJANA GAR	BIOCHEMISTRY	Electrolyte Analyser	9180 Electrolyte Analyser	Roche
59.	CIMS CHAMARAJANA GAR	BIOCHEMISTRY		Maglumi-1000	Snibe
60.	CIMS CHAMARAJANA GAR	BIOCHEMISTRY	ABG-Analyser	ABG-Analyser	Radiometer
61.	CIMS CHAMARAJANA GAR	BIOCHEMISTRY		Roche colase-311	Roche
62.	CIMS CHAMARAJANA GAR	Microbiology	Elisawasher	Elisawasher/04	Robonik India Pvt ltd
63.	CIMS CHAMARAJANA GAR	Microbiology	Elisa reader	Elisa reader/04	Robonik India Pvt ltd
64.	DIMHANS DHARWAD	PATHOLOGY	HAEMATHOLOGY CELL COUNTER	XP-100	HAEMATHOLOGY CELL COUNTER(SYSME X)
65.	DIMHANS DHARWAD	BIOCHEMISTRY	LITHIUM ANALIZER	9130	LITHIUM ANALIZER(ROCHE)
66.	GIMS GADAG	Pathology Lab	ABG	SCC613080	Nova Biomedical
67.	GIMS GADAG	Pathology LAB	Labomed Microscope NO 2	8G13853	Brnocluar
68.	GIMS GADAG	Pathology LAB	Nyco Card reader NO 3	LX-400-2, LX-200-1	Brnocluar
69.	GIMS GADAG	Microbiology Lab	Labomed Microscope		Brnocluar
70.	GIMS GADAG	Pathology Lab	Labomed Microscope		Brnocluar
71.	GIMS GADAG	Pathology Lab	Microscope	8G13853	Olympus
72.	GIMS GADAG	Microbiology LAB	CBC	24443	ERMA
73.	GIMS GADAG	Biochemistry LAB	Centrifuge		Remi
74.	GIMS GADAG	Biochemistry LAB	Centrifuge	ZBCN05864	Remi
75.	GIMS GADAG	Biochemistry Lab	Centrifuge		Remi
76.	GIMS GADAG	Biochemistry Lab	Ronded Centrifuge NO 2		Remi
77.	GIMS GADAG	Biochemistry LAB	Square centrifuge Remi R8C		Remi

**RFP for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at
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Sl .	Medical Education Institution	Department	Laboratory Equipment	Model No.	Manufacturer
78.	GIMS GADAG	Pathology Lab	ESR analyser		Diagno
79.	GIMS GADAG	Pathology Lab	Urine Analyser Automated	N090100H0980	Dirui
80.	GIMS GADAG	Biochemistry LAB	Semi Autobiochemistry	N141173	Erba
81.	GIMS GADAG	Biochemistry LAB	Fully AutoBiochemistry Analyser		Erma
82.	GIMS GADAG	Biochemistry LAB	Fully AutoBiochemistry Analyser	2709820113	TOKYO BOEKI MEDSI
83.	GIMS GADAG	Biochemistry LAB	Fully AutoBiochemistry Analyser		Roche
84.	GIMS GADAG	Microbiology Lab	Incubator MEMMERT Type 28lts	11302	
85.	GIMS GADAG	Biochemistry LAB	Nyco Card reader		AXIS sheild
86.	GIMS GADAG	Pathology LAB	Fully automated 3 part Deffertial Heamatology analyser		ERMA
87.	GIMS GADAG	Biochemistry LAB	Electrolyte analyser ISE Method		
88.	GIMS GADAG	Biochemistry LAB	ABG Blood gas analyser	ABL-80	Nova Biomedical
89.	GIMS GADAG	Pathology LAB	3 parts Haemathology cell counter		Mindray
90.	GIMS GADAG	Microbiology LAB	QBC Malaria Detection equipment		QBC
91.	GIMS GADAG	Pathology LAB	Blood Tube Rotator		
92.	GIMS GADAG	Pathology LAB	Laser Printer NO 2		
93.	GIMS GADAG	Pathology LAB	Hb 201		
94.	GIMS GADAG	Pathology LAB	Urinometer		
95.	GIMS GADAG	Pathology LAB	Sysmax XP-100 Haematology analyser with ups	Sysmax XP-100	
96.	GIMS GADAG	Pathology LAB	Sysmax XN-1000 with Ups and Pc	Sysmax XN-1000	
97.	GIMS GADAG	BiochemistC402:C408r y LAB	Lab interfacing for broclumistry and Haemathology analyser		
98.	GIMS GADAG	Biochemistry LAB	Electrolyte analyser	9180	Roche
99.	GIMS GADAG	Pathology LAB	ABG Blood Gas Analyser		ABL-80
100	GIMS GADAG	Biochemistry LAB	Maglumi-1000 (snibe) Harmons Analyser with UPS	Maglumi-1000 (snibe)	Snibe
101	GIMS GADAG	Microbiology LAB	VDRL Rotator		
102	GIMS GADAG	Microbiology LAB	Biosafety Cabinet(Laminar Airflow)	2223	Alpha Linear
103	GIMS GADAG	Microbiology LAB	Hot air OVEN NO2		Lead Instruments
104	GIMS GADAG	Microbiology LAB	Bactriological Incubator NO2		KEMI
105	GIMS KALABURAGI	PATHOLOGY	Automated Hematology Analyzer	SysmaxKX-21 NO.B5337 SL	Sysmax
106	GIMS KALABURAGI	PATHOLOGY	Heamatology Analyser	Artocell	Swemed Biomedical Pvt Ltd.
107	GIMS KALABURAGI	PATHOLOGY	Blood Coagulation analyser	Artos coag	Swemed Biomedical Pvt Ltd.
108	GIMS KALABURAGI	PATHOLOGY	Urine Analyser	Uriscan 100	AGAPPE
109	GIMS KALABURAGI	PATHOLOGY	Urine Analyser	SBPL	Swemed Biomedical Pvt Ltd.
110	GIMS KALABURAGI	BIOCHEMISTRY	Semi Auto Analyser	Prietest Touch	Robonik(I) Pvt, Ltd Chennai.

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Sl .	Medical Education Institution	Department	Laboratory Equipment	Model No.	Manufacturer
111	GIMS KALABURAGI	BIOCHEMISTRY	Semi Auto Analyser	Prietest Touch	Robonik(I) Pvt, Ltd Chennai.
112	GIMS KALABURAGI	BIOCHEMISTRY	Fully Auto Analyser	Mispa Nano	Mindaray China
113	GIMS KALABURAGI	BIOCHEMISTRY	Blood Gas Analyser	Model: ABL80Flex	
114	GIMS KALABURAGI	BIOCHEMISTRY	Fully Automated clinical Chemistry Analyser with ISE & accessories	Model- XL-640	
115	GIMS KALABURAGI	BIOCHEMISTRY	Semi Automated clinical Chemistry Analyser with ISE & accessories	Model EC 5 Plus V2	
116	GIMS KALABURAGI	BIOCHEMISTRY	Fully Automated Chemilumin esence analyser for hormone assays & accessories	Model -Maglumi-1000	
117	GIMS KALABURAGI	BIOCHEMISTRY	Electrolyte Analyser	Model-9180	
118	HIMS HASSAN	BIOCHEMISTRY	Semi Auto Analyser	Chem 5 x	ERBA Transasia
119	HIMS HASSAN	BIOCHEMISTRY	Semi Auto Analyser	Chem 5 x	ERBA Transasia
120	HIMS HASSAN	BIOCHEMISTRY	Fully Auto Analyser	EM360	ERBA Transasia
121	HIMS HASSAN	BIOCHEMISTRY	Fully Auto Analyser	BS 390	Mindray
122	HIMS HASSAN	BIOCHEMISTRY	Electrolyte Analyser	Combiline	Eishweweiler
123	HIMS HASSAN	BIOCHEMISTRY	Electrolyte Analyser	Combiline	Eishweweiler
124	HIMS HASSAN	PATHOLOGY	Manual Rotary Microtome	RM2125 RT SL.No10907/11-2008	Leica
125	HIMS HASSAN	PATHOLOGY	Coagulation analyser	CA -54	Operon
126	HIMS HASSAN	PATHOLOGY	Coagulation analyser	SL.No.0430712130041	
127	HIMS HASSAN	PATHOLOGY	3 part heamatology cell counter	CD Emerald SL.No.030118-007399	Abbott
128	HIMS HASSAN	PATHOLOGY	5 part heamatology cell counter	CD Ruby SL.No.70682BG	Abbott
129	HIMS HASSAN	PATHOLOGY	3 part heamatology cell counter	KH 21 Sl.No .B4232-11-2018	Transia
130	INU NHEPHROUROL OGY	PATHOLOGY		PCE 210	ERMA INC
131	INU NHEPHROUROL OGY	BIOCHEMISTRY		CI4100	ABBOTT
132	INU NHEPHROUROL OGY	BIOCHEMISTRY	COMBINED CRITICAL CARE PANELECTRO PHORESIS	COBAS 121	COMBINED CRITICAL CARE PANELECTRO PHORESIS
133	INU NHEPHROUROL OGY	MICRO BIOLOGY	BLOOD CULTURE (BACT ALERT)ELISA READER AND WASHER	SERIAL NO-605CR5749	BLOOD CULTURE (BACT ALERT)ELISA READER AND WASHER
134	KMC KARWAR	PATHOLOGY		BIOTE(NO2)	GENUINE BIOSYSTEMS,CHE NNAI
135	KMC KARWAR	PATHOLOGY		XN-L550	SYSMEY,JAPAN
136	KMC KARWAR	BIOCHEMISTRY		EC 5PLUS V2	M/S.TRANSASIA BIO MEDICAL LTD.BLR
137	KMC KARWAR	BIOCHEMISTRY		XL-640	M/S.TRANSASIA BIO MEDICAL LTD.BLR
138	KMC KARWAR	BIOCHEMISTRY		9180-ELECTRO	M/S.ROCHE DIAGNOSTICS INDIA PVT LTD,CHENNAI
139	KMC KARWAR	BIOCHEMISTRY		MAGLUMI-1000(MATRIX)	M/S.SHENZHEN NEW INDUSTRIES

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Sl .	Medical Education Institution	Department	Laboratory Equipment	Model No.	Manufacturer
					BIOMEDICAL ENGINEERING CO.LTD
140	KMC KARWAR	BIOCHEMISTRY		ABL 80 FLEX	RADIOMETER
141	KOIMS KODAGU	PATHOLOGY	AUTOMATED HEMATOLOGY ANALYZER	MEK 7300	NIHON KOHDEN ES,CELLTAE ANALYZER
142	KOIMS KODAGU	BIOCHEMISTRY	ERBA XL-640 FULLY AUTOMATED BIOCHEMICAL	ERBA XL-640	TRANSASHIA
143	KOIMS KODAGU	BIOCHEMISTRY	FULLY AUTOMATED HARMONAL ANALYZER	SNIBE-1000	MAGLUNI SNIBE
144	KOIMS KODAGU	BIOCHEMISTRY	ROCHE FULLY AUTOMATED BIOCHEMICAL ANALYZER	C-311	ROCHE HITACHI C-311
145	MIMS MANDYA	PATHOLOGY		ABACUS 5	DIATRON
146	MIMS MANDYA	PATHOLOGY		ABACUS 380	DIATRON
147	MIMS MANDYA	PATHOLOGY		XP 100	SYSMEX
148	MIMS MANDYA	BIOCHEMISTRY		Ci 4100	ABBOT
149	MIMS MANDYA	BIOCHEMISTRY		C 4000	ABBOT
150	MIMS MANDYA	BIOCHEMISTRY		i 1000	ABBOT
151	MMCRI KR HOSPITAL	PATHOLOGY	sysmex xp - 100	S.no A1247	Transasia Biomedical LTd
152	MMCRI KR HOSPITAL	PATHOLOGY	Embassy Transia	Xn1000, 25270	Transasia Biomedical Ltd
153	MMCRI KR HOSPITAL	BIOCHEMISTRY		Cobas 6000 (e 601 + e 501)	Roche, kitochi Bangalore
154	MMCRI KR HOSPITAL	BIOCHEMISTRY		Cobas c-311	Roche, kitochi Bangalore
155	MMCRI KR HOSPITAL	BIOCHEMISTRY		Cobas e -411	Roche, kitochi Bangalore
156	RGICD BANGALORE	PATHOLOGY		LH750	Beckman Coulter
157	RGICD BANGALORE	BIOCHEMISTRY		AU480	Beckman Coulter
158	RGSSH RAICHUR	BIOCHEMISTRY		MINI VIDAS	Made in Italy by Biomerieur Italia s.p.a
159	RGSSH RAICHUR	BIOCHEMISTRY		COMI LINE	Made in Germany
160	RGSSH RAICHUR	HEMATOLOGY		MINDRAY BC 3000 PLUS	Shenzhen Bio-medical Electronics company LTD
161	RIMS RAICHUR	PATHOLOGY		B4480	SYSMEX
162	RIMS RAICHUR	PATHOLOGY		XL1000i	OPERON
163	RIMS RAICHUR	BIOCHEMISTRY		BK 2000	BIOBASE
164	RIMS RAICHUR	BIOCHEMISTRY		9180	ROCHE
165	RIMS RAICHUR	BIOCHEMISTRY		CHEM 5X	TRANSASIA
166	RIMS RAICHUR	BIOCHEMISTRY		CHEM 5X	TRANSASIA
167	SIMS SHIMOGA	PATHOLOGY	Analyzer automated 3-part Differential Hematology	SBPL/HA/1075	NA
168	SIMS SHIMOGA	PATHOLOGY	Analyzer coagulation	H-STAR XF-1	NA
169	SIMS SHIMOGA	BIOCHEMISTRY	Analyzer accute electrode	Acculite	NA
170	SIMS SHIMOGA	BIOCHEMISTRY	Analyzer Harmone (Immunoassy)	Access-2	Beckman coulter
171	SIMS SHIMOGA	BIOCHEMISTRY	Auto analyser fully bio chem	ERBA XL640	Transasia
172	SIMS SHIMOGA	BIOCHEMISTRY	Auto Biomchemistry Analyser	Prietest Touch	Robonik (India) pvt Ltd
173	SIMS SHIMOGA	BIOCHEMISTRY	Auto Biomchemistry Analyser	Prietest Touch	Robonik (India) pvt Ltd
174	SIMS SHIMOGA	BIOCHEMISTRY	Auto Biomchemistry Analyser	Prietest Touch	Robonik (India) pvt Ltd
175	SIMS SHIMOGA	BIOCHEMISTRY	Blood gas analyser	ABL 80FLEX	Radiometer

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Sl .	Medical Education Institution	Department	Laboratory Equipment	Model No.	Manufacturer
176	SIMS SHIMOGA	BIOCHEMISTRY	Fully auto Analyser	Biosystem A-15	Prism Biomedicals
177	VIMS BELLARY	PATHOLOGY LAB, HAEMOTOLOGY	3 PART ANALYZER	3 PART ANALYZER XP-100(SL NO A5642)	SYSMEX
178	VIMS BELLARY	PATHOLOGY LAB, HAEMOTOLOGY	4 PART ANALYZER	3 PART ANALYZER XP-100(SL NO A3978)	SYSMEX
179	VIMS BELLARY	PATHOLOGY LAB, HAEMOTOLOGY	5 PART ANALYZER	3 PART ANALYZER XP-100(SL NO A6930)	SYSMEX
180	VIMS BELLARY	PATHOLOGY LAB, HAEMOTOLOGY	5 PART ANALYZER	5 PART ANALYZER XT-2000i	SYSMEX
181	VIMS BELLARY	PATHOLOGY LAB, HAEMOTOLOGY	SEMI AUTOMATED HISTOKINETIC(TISSUE PROCESSOR)	SEMI AUTOMATED HISTOKINETIC(TISSUE PROCESSOR)	YORCO
182	VIMS BELLARY	BIOCHEMISTRY LAB	FULLY ANALYZER XL	FULLY ANALYZER XL 640(SL NO 640104)	ERBA(TRANSISIA)
183	VIMS BELLARY	BIOCHEMISTRY LAB	FULLY ANALYZER EM	FULLY ANALYZER EM 360(SL NO 60131)	ERBA(TRANSISIA)
184	VIMS BELLARY	BIOCHEMISTRY LAB	BLOOD GAS ANALYZER	BLOOD GAS ANALYZER-COMBILINE	ESCHWEILER
185	VIMS BELLARY	BIOCHEMISTRY LAB	SEMI AUTO ANALYZER	SEMI AUTO ANALYZER - EC5 PLUSV2(SL NO 081132)	ERBA(TRANSISIA)
186	VIMS BELLARY	BIOCHEMISTRY LAB	SEMI AUTO ANALYZER	SEMI AUTO ANALYZER - EC5 PLUSV2(SL NO N140329)	ERBA(TRANSISIA)
187	VIMS BELLARY	BIOCHEMISTRY LAB	SEMI AUTO ANALYZER	SEMI AUTO ANALYZER - EC5X(SL NO N141010)	ERBA(TRANSISIA)
188	VIMS BELLARY	BIOCHEMISTRY LAB	ELECTROLYTE ANALYZER	ELECTROLYTE ANALYZER-9180	ROCHE-SNAPPAK
189	VIMS BELLARY	BIOCHEMISTRY LAB	ELISA READER AND WASHER	ELISA READER AND WASHER - RT0180614RBK	ROBONIK
190	KIMS HUBLI	BIOCHEMISTRY		MODEL NUMBER: XL-300	TRANSASIA BIOMEDICALS
191	KIMS HUBLI	BIOCHEMISTRY		SERIAL NUMBER: XL 30023	
192	BMCRI PMSSY	Biochemistry		410617	Roche INTEGRA 400 PLUS
193	BMCRI PMSSY	Biochemistry		410618	Roche INTEGRA 400 PLUS
194	BMCRI PMSSY	Biochemistry		ISR60163	Abbott ARCHITECT PLUS I 2000R
195	BMCRI PMSSY	Biochemistry		11101727	IL GEM PREMIOR 3500(ABG)
196	BMCRI PMSSY	Biochemistry		DJ5J030824	BIO RAD D 10 (DIABETES 10)
197	BMCRI PMSSY	Haematology		30738	Medanic M 20(HAEMAT 3 PARTS)
198	BMCRI PMSSY	Haematology		15032950	ELIGHT PRO(COAGULATION)
199	BMCRI PMSSY	Haematology		55876BG	Abbott CD RUBY
200	KCI, Bengaluru	Biochemistry			
201	KCI, Bengaluru	Biochemistry		Rocche Cobas C311	
202	KCI, Bengaluru	Biochemistry		Rocche Cobas C311	
203	KCI, Bengaluru	Biochemistry		E411	
204	KCI, Bengaluru	Microbiology		Roche 9180 Electrolyte Analyser	
205	KCI, Bengaluru	Microbiology		Roche 9180 Electrolyte Analyser	
206	KCI, Bengaluru	Microbiology		VITEK2 Compact	

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Sl .	Medical Education Institution	Department	Laboratory Equipment	Model No.	Manufacturer
207	KCI, Bengaluru	Microbiology		VITEK2 Compact	
208	KCI, Bengaluru	Microbiology		Biomerieux	
209	KCI, Bengaluru	Microbiology		Antibiotic Sensitivity Testing	
210	KCI, Bengaluru	Microbiology		BACT / ALERT 3D	
211	KCI, Bengaluru	Microbiology		ARCHETIC 1000 I	
212	KCI, Bengaluru	Hematology		Cryostat	
213	KCI, Bengaluru	Hematology		Swelab	
214	KCI, Bengaluru	Hematology		Swelab	
215	KCI, Bengaluru	Hematology		Abott	

3. Format of Financial Proposal

Sl.	Item / Service	Quantity	Unit	Unit Rate (Rs.) (including GST and 3 years onsite warranty)	Amount (Rs.)
1.	Lab Interface - Laboratory Equipment Interface software (for NIC's eHospital software) with perpetual and unlimited licenses	1	LS		
2.	Lab Interface - Servers	24	Nos.		
3.	Lab Interface - Server Operating System (Academic License)	24	Nos.		
4.	Lab Interface - Connectors & Cables (USB to LAN, RS232 to LAN, LAN Patch Chord, etc.)	215	Nos.		
5.	Lab Interface - Interfacing of Laboratory Equipments to the Lab Interface Server and NIC's LIS Module	215	Nos.		
6.	Lab Interface - Interactive Kiosk	48	Nos.		
7.	Lab Interface - Online UPS 1KVA for Servers	48	Nos.		
8.	NIC LIS – Servers	24	Nos.		
9.	2 x 32GB ECC DDR4 2400MT/s	1	Nos.		
10.	42U Server Rack Enclosure of dimension 800 mm x 1000 mm with 2 x 31A PDU, Keyboard Trey, LHS & RHS vertical cable manager, blanking panel, 3 years warranty	24	Nos.		
11.	19" 8-Port CAT6 Dual Rail LCD KVM Switch with LCD, Keyboard, Mouse/Trackpad, 3 years warranty	24	Nos.		
12.	Legacy LIS - Interfacing with Legacy LIS Provider	24	Nos.		

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13.	Internet of Things - IoT Sensor Devices	560	Nos.		
14.	Internet of Things - IoT Gateways	112	Nos.		
15.	Internet of Things - IoT Dashboard webapp and mobileapp perpetual license	1	Nos.		
16.	Internet of Things - IoT M2M GPRS SIM	4032	Months		
17.	Internet of Things - IoT Cloud Services	36	Months		
18.	Training - Training to Staff and/or System Engineers	30	Days		
Total (including GST and 3 years onsite warranty)					

SECTION V – TERMS OF REFERENCE

1. Background

The Department of Medical Education of the Government of Karnataka was bifurcated from the Department of Health & Family Welfare Services, in the year 1978 and is functioning independently since then. The vision of the department is to attain excellence in medical education with emphasis on medical research.

To augment the need of the community, the department is striving to develop human resources in all spheres. Department is aiming to curtail the gap which is existing between the growing advancement in scientific and medical field and the dearth for specialized experts in various disciplines of medical, nursing and technological fields, improvement of tertiary and Super Specialty health care Services in Karnataka and also to provide access to quality health care services to all sections of Society.

The Department has recently begun its Information and Communication Technology (ICT) Modernization by implementing EHospital software, Campus LAN, etc.

2. Concise Statement of Objectives

This RFP is being published to appoint service provider for Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions.

3. An Outline of the Tasks to be Carried Out

The service provider is required to provide Laboratory Equipment Interfacing with eHospital and Internet of Things (IoT) at Medical Education Institutions. The list of Medical Education Institutions are as follows:

- 1) BMCRI Trauma Care, Bengaluru
- 2) RGICD, Bengaluru
- 3) INU, Nephrourology, Bengaluru
- 4) Kidwai Memorial Institute of Oncology, Bengaluru
- 5) Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bengaluru
- 6) IGICH, Bengaluru
- 7) B&LCH, Bengaluru
- 8) Belagavi Institute of Medical Science
- 9) Bidar Institute of Medical Sciences
- 10) Vijayanagar Institute of Medical Sciences
- 11) GDCRI, Bellary
- 12) Chamrajnagara Institute of Medical Sciences
- 13) Dharwad Institute of Mental Health and Neurosciences

- 14) Gulbarga Institute of Medical Science
- 15) Gadag Institute of Medical Science
- 16) Hassan Institute of Medical Science
- 17) Karnataka Institute of Medical Sciences, Hubballi
- 18) Karwar Institute of Medical Science
- 19) Koppal Institute of Medical Science
- 20) Mandya Institute of Medical Science
- 21) MMCRI College, Mysuru
- 22) MMCRI - KR Hospital, Mysuru
- 23) MMCRI - PKTB Hospital, Mysuru
- 24) Kodagu Institute of Medical Science
- 25) Raichur Institute of Medical Science
- 26) Shimoga Institute of Medical Science

4. Schedule for Completion of Tasks

The service provide shall complete the project within **six (6) months** from the date of order.

5. Data, Services and Facilities to be Provided by The Client

The Client shall provide bare-shell office space, with electrical points required to install the servers and UPS.

The Client will provide the LAN network from the server room to the Laboratories.

6. Final Outputs (i.e., Reports, Drawings, etc.) that will be required of the Consultant

The service provider shall provide the following minimum outputs to the Client

- 1) Weekly report of project progress

7. Composition of Review Committee to Monitor Service Providers Work

The services provided by the Service Provider will be reviewed and monitored by Director, Directorate of Medical Education or any other officer authorized by the Director.

8. Procedure for Review of Progress Reports, Inception, Status, Final Draft and Final Reports

The project progress will be reviewed on fortnightly basis.

9. List of Positions whose CV and Experience would be evaluated

Project Manager

Team Lead - Laboratory Equipment Interface

Team Lead – Internet of Things

Server Administrator

Technical Support Engineer

SECTION VI – CONTRACT OF CONSULTANT’S SERVICES

1. Form of Contract

This CONTRACT (hereinafter called the "Contract") is made the day of the month of, 2015,

BETWEEN

on the one hand, (hereinafter called the "Client")

AND

on the other hand,(hereinafter called the "Consultants").

WHEREAS

- A. the Client has requested the Consultants to provide certain consulting services as defined in the General Conditions of Contract attached to this Contract (hereinafter called the "Services");
- B. the Consultants, having represented to the Client that they have the required professional skills, and personnel and technical resources, have agreed to provide the Services on the terms and conditions set forth in this Contract;

NOW THEREFORE the parties hereto hereby agree as follows:

- 1) The following documents attached hereto shall be deemed to form an integral part of this Contract:
 - a) The General Conditions of Contract (hereinafter called "GC");
 - b) The Special Conditions of contract (hereinafter called "SC");
 - c) The following Appendices:
 - i) Appendix A: Description of the Services
 - ii) Appendix B: Reporting Requirements
 - iii) Appendix C: Key Personnel
 - iv) Appendix D: Services and Facilities to be provided by the Client
 - v) Appendix E: Breakdown of Contract Price
- 2) The mutual rights and obligations of the Client and the Consultants shall be as set forth in the Contract, in particular:
 - a) The Consultants shall carry out the Services in accordance with the provisions of the Contract; and
 - b) the Client shall make payments to the Consultants in accordance with the provisions of the Contract.

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IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in
their respective names as of the day and year first above written.

FOR AND BEHALF OF

Directorate of Medical Education

By Director

FOR AND BEHALF OF

[Name of Consultant]

By *[Authorized Signatory]*

2. General Conditions of Contract

2.1. General Provisions

2.1.1. Definitions

- 1) Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:
 - a) "Applicable Law" means the laws and any other instruments having the force of law in India, as they may be issued and in force from time to time;
 - b) "Contract" means the Contract signed by the Parties, to which these General Conditions of Contract (GCC) are attached, together with all the documents listed in Clause 1 of such signed Contract;
 - c) "Effective Date" means the date on which this Contract comes into force and effect pursuant to Clause GCC 2.2.1
 - d) "Contract Price" means the price to be paid for the performance of the Services, in accordance with Clause 2.6;
 - e) "GCC" means these General Conditions of Contract;
 - f) "Government" means the Government of Karnataka;
 - g) "Local currency" means Indian National Rupee;
 - h) "Member", in case the Consultants consist of a joint venture of more than one entity, means any of these entities, and "Members" means all of these entities; 'Member in Charge' means the entity specified in the SCC to act on their behalf in exercising all the Consultants' rights and obligations towards the Client under this Contract.
 - i) "Party" means the Client or the Consultants, as the case may be, and Parties means both of them;
 - j) "Personnel" means persons hired by the Consultants or by any Sub-consultant as employees and assigned to the performance of the Services or any part thereof; and 'key personnel' means the personnel referred to in Clause GCC 2.4.2 (1)
 - k) "SCC" means the Special Conditions of Contract by which these General Conditions of Contract may be amended or supplemented;
 - l) "Services" means the work to be performed by the Consultants pursuant to this Contract as described in Appendix A; and
 - m) "Sub-consultant" means any entity to which the Consultants subcontract any part of the Services in accordance with the provisions of Clauses 2.3.5 and 2.4.

- n) ‘Third party’ means any person or entity other than the Government, the Client, the Consultants, or a Sub-Consultant.

2.1.2. Law Governing the Contract

This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable Law.

2.1.3. Language

This Contract has been executed in English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.

2.1.4. Notices

Any notice, request or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram or facsimile to such Party at the address specified in the SC.

2.1.5. Location

The Services shall be performed at such locations as are specified in Appendix A and, where the location of a particular task is not so specified, at such locations, whether in Karnataka or elsewhere, as the Client may approve.

2.1.6. Authorized Representatives

Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Client or the Consultants may be taken or executed by the officials specified in the SCC.

2.1.7. Taxes and Duties

The Consultant shall pay such taxes, duties, fees and other impositions as may be levied under the Applicable Law, the amount of which is deemed to have been included in the Contract Price.

2.2. Commencement, Completion, Modification, and Termination of Contract

2.2.1. Effectiveness of Contract

This Contract shall come into effect on the date the Contract is signed by both Parties or such other later date as may be stated in the SCC.

2.2.2. Commencement of Services

The Consultants shall begin carrying out the Services within thirty (30) days after the date the Contract becomes effective, or at such other date as may be specified in the SCC.

2.2.3. Expiration of Contract

Unless terminated earlier pursuant to Clause 2.2.7, this Contract shall terminate at the end of such time period after the Effective Date as is specified in the SCC.

2.2.4. Modification

Modification of the terms and conditions of this Contract, including any modification of the scope of the Services or of the Contract Price, may only be made by written agreement between the Parties.

2.2.5. Force Majeure

1) Definition

- a) For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

2) No Breach of Contract

- a) The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

3) Extension of Time

- a) Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

4) Payments

- a) During the period of their inability to perform the Services as a result of an event of Force Majeure, the Consultants shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

2.2.6. Suspension

The Client may by written notice of suspension to the Consultants, suspend all payments to the Consultants hereunder if the Consultants fail to perform any of their obligations under this contract, including the carrying out of the Services, provided that such notice of suspension (i) shall specify the nature of the failure, and (ii) shall

request the Consultants to remedy such failure within a period not exceeding thirty (30) days after receipt by the Consultants of such notice of suspension.

2.2.7. Termination

1) By the Client

- a) The Client may terminate this Contract, by not less than thirty (30) days' written notice of termination to the Consultants, to be given after the occurrence of any of the events specified in paragraphs (b) through (e) of this Clause 2.2.7 (1) and sixty (60) days' in the case of the event referred to in (g):
- b) if the Consultants do not remedy a failure in the performance of their obligations under the Contract, within thirty (30) days of receipt after being notified or within such further period as the Client may have subsequently approved in writing;
- c) if the Consultants (or any of their Members) become insolvent or bankrupt;
- d) if, as the result of Force Majeure, the Consultants are unable to perform a material portion of the Services for a period of not less than sixty (60) days; or
- e) if the consultant, in the judgment of the Client has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- f) For the purpose of this clause:
 - i) "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the selection process or in contract execution.
 - ii) "fraudulent practice" means a misrepresentation of facts in order to influence a selection process or the execution of a contract to the detriment of GOK, and includes collusive practice among consultants (prior to or after submission of proposals) designed to establish prices at artificial non-competitive levels and to deprive GOK of the benefits of free and open competition.
- g) if the Client, in its sole discretion and for any reason whatsoever, decides to terminate this Contract.

2) By the Consultants

- a) The Consultants may terminate this Contract, by not less than thirty (30) days' written notice to the Client, such notice to be given after the occurrence of any of the events specified in paragraphs (i) through (iii) of this Clause 2.2.7 (2):
 - i) if the Client fails to pay any monies due to the Consultants pursuant to this Contract and not subject to dispute pursuant to Clause 7 hereof within forty-five (45) days after

receiving written notice from the Consultants that such payment is overdue;

- ii) If the Client is in material breach of its obligations pursuant to this Contract and has not remedied the same with in forty-five (45) days (or such longer period as the Consultants may have subsequently approved in writing) following the receipt by the Client of the Consultants' notice specifying such breach;
- iii) if, as the result of Force Majeure, the Consultants are unable to perform a material portion of the Services for a period of not less than sixty (60) days.

3) Cessation of Rights and Obligations

- a) Upon termination of this Contract pursuant to Clause GCC 2.2.7, or upon expiration of this Contract pursuant to Clause GCC 2.2.3, all rights and obligations of the Parties hereunder shall cease, except:
 - i) such rights and obligations as may have accrued on the date of termination or expiration;
 - ii) the obligation of confidentiality set forth in Clause GCC 2.3.3 hereof;
 - iii) any right which a Party may have under the Applicable Law.

4) Cessation of Services

- a) Upon termination of this Contract by notice of either Party to the other pursuant to Clauses GCC 2.2.7 (1) or GCC 2.2.7 (2) hereof, the Consultants shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum. With respect to documents prepared by the Consultants and equipment and materials furnished by the Client, the Consultants shall proceed as provided, respectively, by Clauses GCC 2.3.7 and GCC 2.3.8.

5) Payment upon Termination

- a) Upon termination of this Contract pursuant to Clauses 2.2.7 (1) or 2.2.7 (2), the Client shall make the following payments to the Consultants:
 - i) remuneration pursuant to Clause 2.6 for Services satisfactorily performed prior to the effective date of termination;
 - ii) except in the case of termination pursuant to paragraphs (b) and (c) of Clause 2.2.7 (1), reimbursement of any reasonable cost incident to the prompt and orderly termination of the Contract.

2.3. Obligations of the Consultants

2.3.1. General

The Consultants shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe methods. The Consultants shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Client, and shall at all times support and safeguard the Client's legitimate interests in any dealings with Sub-consultants or third parties.

2.3.2. Conflict of Interest

1) Consultants Not to Benefit from Commissions, Discounts, etc.

- a) The remuneration of the Consultants pursuant to Clause 2.6 shall constitute the Consultants' sole remuneration in connection with this Contract or the Services, and the Consultants shall not accept for their own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Consultants shall use their best efforts to ensure that the Personnel, any Sub-consultants, and agents of either of them, similarly shall not receive any such additional remuneration.

2) Procurement Rules of Funding Agencies

- a) If the Consultants, as part of the Services, have the responsibility of advising the Client on the procurement of goods, works or services, the Consultants shall comply with any applicable procurement guidelines of the funding agencies and shall at all times exercise such responsibility in the best interest of the Client. Any discounts or commissions obtained by the Consultants in the exercise of such procurement responsibility shall be for the account of the Client.

3) Consultants and Affiliates Not to engage in certain Activities

- a) The Consultants agree that, during the term of this Contract and after its termination, the Consultants and their affiliates, as well as any Sub-consultant and any of its affiliates, shall be disqualified from providing goods, works or services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

4) Prohibition of Conflicting Activities

- a) Neither the Consultants nor their Sub-consultants nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

- i) during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract; or
- ii) after the termination of this Contract, such other activities as may be specified in the SCC.

2.3.3. Confidentiality

The Consultants, their Sub-consultants, and the Personnel of either of them shall not, either during the term or within two (2) years after the expiration of this Contract, disclose any proprietary or confidential information relating to the Project, the Services, this Contract, or the Client's business or operations without the prior written consent of the Client.

2.3.4. Insurance to Be Taken Out by the Consultants

The Consultants (a) shall take out and maintain, and shall cause any Sub-consultants to take out and maintain, at their (or the Sub-consultants', as the case may be) own cost but on terms and conditions approved by the Client, insurance against the risks, and for the coverage, as shall be specified in the SCC; and (b) at the Client's request, shall provide evidence to the Client showing that such insurance has been taken out and maintained and that the current premiums have been paid.

2.3.5. Consultants' Actions Requiring Client's Prior Approval

- 1) The Consultants shall obtain the Client's prior approval in writing before taking any of the following actions:
 - a) entering into a subcontract for the performance of any part of the Services, it being understood (i) that the selection of the Sub-consultant and the terms and conditions of the subcontract shall have been approved in writing by the Client prior to the execution of the subcontract, and (ii) that the Consultants shall remain fully liable for the performance of the Services by the Sub-consultant and its Personnel pursuant to this Contract;
 - b) appointing such members of the Personnel not listed by name in Appendix C ("Key Personnel and Sub-consultants"), and
 - c) any other action that may be specified in the SCC.

2.3.6. Reporting Obligations

The Consultants shall submit to the Client the reports and documents specified in Appendix B in the form, in the numbers, and within the periods set forth in the said Appendix.

2.3.7. Documents Prepared by the Consultants to be the Property of the Client

All plans, drawings, specifications, designs, reports and other documents and software submitted by the Consultants in accordance

with Clause 2.3.6 shall become and remain the property of the Client, and the Consultants shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the Client, together with a detailed inventory thereof. The Consultants may retain a copy of such documents and software. Restrictions about the future use of these documents, if any, shall be specified in the SCC.

2.3.8. Equipment and Materials Furnished by the Client

Equipment and materials made available to the Consultants by the Client or purchased by the Consultants with funds provided by the Client shall be the property of the Client and shall be marked accordingly. Upon termination or expiration of this Contract, the Consultants shall make available to the Client an inventory of such equipment and materials and shall dispose of such equipment and materials in accordance with the Client's instructions. While in possession of such equipment and materials, the Consultants, unless otherwise instructed by the Client in writing, shall insure them at the expense of the Client in an amount equal to their replacement value.

2.4. Consultants' Personnel

2.4.1. Description of Personnel

The titles, agreed job descriptions, minimum qualifications and estimated periods of engagement in the carrying out of the Services of the Consultants' Key Personnel are described in Appendix C. The Key Personnel and Sub-consultants listed by title as well as by name in Appendix C are hereby approved by the Client.

2.4.2. Removal and/or Replacement of Personnel

- 1) Except as the Client may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Consultants, it becomes necessary to replace any of the Key Personnel, the Consultants shall forthwith provide as a replacement a person of equivalent or better qualifications.
- 2) If the Client finds that any of the Personnel have (i) committed serious misconduct or has been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Consultants shall, at the Client's written request specifying the grounds therefor, forthwith provide as a replacement a person with qualifications and experience acceptable to the Client.
- 3) The Consultants shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

2.5. Obligations of the Client

2.5.1. Assistance and Exemptions

- 1) Unless otherwise specified in the SCC, the Client shall use its best efforts to ensure that the Government shall:
 - a) issue to officials, agents and representatives of the Government all such instructions as may be necessary or appropriate for the prompt and effective implementation of the Services;
 - b) assist the Consultants and the Personnel and any Sub-consultants employed by the Consultants for the Services from any requirement to register or obtain any permit to practice their profession or to establish themselves either individually or as a corporate entity according to the Applicable Law;
 - c) provide to the Consultants, Sub-consultants and Personnel any such other assistance as may be specified in the SCC.

2.5.2. Services and Facilities

The Client shall make available to the Consultants and the Personnel, for the purposes of the services and free of any charge, the services, facilities and property described in Appendix D at the times and in the manner specified in said Appendix D, provided that if such services, facilities and property shall not be made available to the Consultants as and when so specified, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Consultants for the performance of the Services, (ii) the manner in which the Consultants shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Consultants as a result thereof.

2.6. Payments to the Consultants

2.6.1. Lump Sum Remuneration

The Consultant's total remuneration shall not exceed the Contract Price and shall be a fixed lump sum including all staff costs, Sub-consultants' costs, printing, communications, travel, accommodation, and the like, and all other costs incurred by the Consultant in carrying out the Services described in Appendix A. Except as provided in Clause 2.5.2, the Contract Price may only be increased above the amounts stated in clause 2.6.2 if the Parties have agreed to additional payments in accordance with Clause 2.2.4.

2.6.2. Contract Price

The Contract price is set forth in the SCC.

2.6.3. Payment for Additional Services

For the purpose of determining the remuneration due for additional services as may be agreed under Clause 2.2.4, a breakdown of the lump sum price is provided in Appendices D and E.

2.6.4. Terms and Conditions of Payment

Payments will be made to the account of the Consultants and according to the payment schedule stated in the SCC. Unless otherwise stated in the SCC, the first payment shall be made against the provision by the Consultants of a bank guarantee for the same amount, and shall be valid for the period stated in the SCC. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Consultants have submitted an invoice to the Client specifying the amount due.

2.6.5. Interest on Delayed Payments

If the Client has delayed payments beyond fifteen (15) days after the due date stated in the SCC, interest shall be paid to the Consultants for each day of delay at the rate stated in the SCC.

2.7. Settlement of Disputes

2.7.1. Amicable Settlement

The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

2.7.2. Dispute Settlement

Any dispute between the Parties as to matters arising pursuant to this Contract that cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement may be submitted by either Party for settlement in accordance with the provisions specified in the SCC.

3. Special Conditions of Contract

Number of GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract				
2.1.1 (h)	This clause is deleted.				
2.1.4	<p>The addresses are:</p> <table> <tr> <td>Client</td><td>Directorate of Medical Education (DME) Anand Rao Circle Bengaluru - 560009</td></tr> <tr> <td>Service Provider</td><td></td></tr> </table> <p>Notice shall be deemed to be effective as follows:</p> <ul style="list-style-type: none"> a) in the case of personal delivery or registered mail, on delivery; b) in the case of telexes/e-mail, 24 hours following confirmed transmission; c) in the case of telegrams, 24 hours following confirmed transmission; and d) in the case of facsimiles, 24 hours following confirmed transmission. 	Client	Directorate of Medical Education (DME) Anand Rao Circle Bengaluru - 560009	Service Provider	
Client	Directorate of Medical Education (DME) Anand Rao Circle Bengaluru - 560009				
Service Provider					
2.1.6	<p>The Authorized Representatives are:</p> <table> <tr> <td>For the Client</td><td>Director, Directorate of Medical Education</td></tr> <tr> <td>For the Service Provider</td><td></td></tr> </table>	For the Client	Director, Directorate of Medical Education	For the Service Provider	
For the Client	Director, Directorate of Medical Education				
For the Service Provider					
2.1.7	<p>The Service Provider and the personnel shall pay the taxes, duties, fees, levies and other impositions levied under the existing, amended or enacted laws during life of this contract and the client shall perform such duties in regard to the deduction of such tax as may be lawfully imposed.</p> <p>It is the responsibility of the Service Provider to strictly abide by the Laws and Acts, including but not limited to payment of TDS, PF, ESI, GST, PT, etc. to the Government</p>				
2.2.1	The date on which this Contract shall come into effect is:/..../.....				
2.2.2	The time period shall be 15 days				
2.2.3	The contract shall be valid for a period of three year.				
2.2.7 (1) (h)	The Service Provider and their staff shall strictly adhere to the Information Technology Act 2000 and its subsequent amendments at all times.				
2.3.4	It shall be the responsibility of the Service Provider to obtain necessary and required insurance(s) to all their staff posted at the Clients				

Number of GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
	locations.
2.3.5 (c)	The other actions are:
2.3.7	The Consultants shall not use these documents for purposes unrelated to this Contract without the prior written approval of the Client.
2.4.2 (4)	The client reserves the right to vary the quantity by $\pm 25\%$.
2.6.2	The amount of Contract is Rs.
2.6.4	<p>The payment terms shall be as follows:</p> <ol style="list-style-type: none"> 1) 10% of the contract value will be paid against submission of <ol style="list-style-type: none"> a) Detailed Project Plan for entire project. b) Requirements Specification document for interfacing Laboratory Equipments with NIC eHospital software. 2) 70% of the contract value will be paid against delivery and certification of delivery by competent authority on pro-rata basis. 3) 20% of the contract value will be paid against installation and certification of installation by competent authority on pro-rata basis.
2.6.5	Payment shall be made within 60 days of receipt of the invoice and the relevant documents specified in Clause 2.6.4, and within 90 days in the case of the final payment.
2.6.6	<p>Liquidated Damages</p> <p>If the service provider fails to deliver or fail to perform the Services within the period(s) specified in the Contract, the Client shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the delivered price of the delayed services or unperformed Services for each week or part thereof of delay until actual delivery (if delay is exceed more than 7 days it will be considered as 2 weeks for calculation of penalty) or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 2.2.7</p>
2.7.2	Disputes shall be settled by arbitration in accordance with the provisions stated below at 2.7.3 to 2.7.7.
2.7.3	<p>Selection of Arbitrators:</p> <ol style="list-style-type: none"> 1) Each dispute submitted by a Party to arbitration shall be heard by a sole arbitrator or an arbitration panel composed of three arbitrators, in accordance with the following provisions: <ol style="list-style-type: none"> a) The Client and the Consultants shall each appoint one arbitrator, and these two arbitrators shall jointly appoint a third arbitrator, who shall chair the arbitration panel. If the arbitrators named by the Parties do not succeed in appointing a third arbitrator within

Number of GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
	<p>thirty (30) days after the latter of the two arbitrators named by the Parties has been appointed, the third arbitrator shall, at the request of either Party, be appointed by Secretary, the Indian Council of Arbitration, New Delhi.</p> <p>b) If, in a dispute subject to Clause SC 7.2.1 (a), one Party fails to appoint its arbitrator within thirty (30) days after the other Party has appointed its arbitrator, the Party which has named an arbitrator may apply to the Secretary, Indian Council of Arbitration, New Delhi, to appoint a sole arbitrator for the matter in dispute, and the arbitrator appointed pursuant to such application shall be the sole arbitrator for that dispute.</p>
2.7.4	<p>Rules of Procedure</p> <p>Arbitration proceedings shall be conducted in accordance with procedure of the Arbitration & Conciliation Act 1996, of India</p>
2.7.5	<p>Substitute Arbitrators</p> <p>If for any reason an arbitrator is unable to perform his function, a substitute shall be appointed in the same manner as the original arbitrator.</p>
2.7.6	<p>Qualifications of Arbitrators</p> <p>The sole arbitrator or the third arbitrator appointed pursuant to paragraphs (b) through (d) of Clause 2.7.2 (1) hereof shall be a nationally recognized legal or technical expert with extensive experience in relation to the matter in dispute.</p>
2.7.7	<p>Miscellaneous</p> <p>In any arbitration proceeding hereunder:</p> <p>a) proceedings shall, unless otherwise agreed by the Parties, be held in Bangalore.</p> <p>b) the decision of the sole arbitrator or of a majority of the arbitrators (or of the third arbitrator if there is no such majority) shall be final and binding and shall be enforceable in any court of competent jurisdiction, and the Parties hereby waive any objections to or claims of immunity in respect of such enforcement.</p>
2.8	<p>Performance Security</p> <p>a) Within 7 days of Notification of Award, the successful bidder shall furnish Performance Security to the Purchaser shall be for an amount of 5% of the contract value, valid upto 60 days after the date of completion of performance obligations under this contract.</p> <p>b) Performance security should be in the form of an Irrevocable Bank Guarantee. The performance security should be valid up to 6 months after the expiry of contract period.</p>

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Number of GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
	<p>c) Discharge of the performance Security shall take place not later than 6 months following the date of completion of the Service Provider's performance obligations under the contract.</p> <p>d) In the event of any contractual amendment, the Service Provider shall, within 7 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 60 days after the completion of performance obligations.</p>

4. Appendices

4.1. Appendix A — Description of the Services to be provided by the Service Provider

The tasks to be carried out by the service provider is as follows. *[Please note that the list of tasks stated here are indicative only. Incase any additional tasks, material, equipment, manpower, etc. are required to successfully complete the project, it is the responsibility of the service provider to provide the same within the same contract price.]*

- 1) The Service Provider shall carry out the design, development, installation, testing and commissioning of laboratory equipment interfacing with NIC E-Hospital as follows:
 - a) Requirements gathering to understand the Laboratory equipments and the
 - b) NIC E-Hospital software which are to be interfaced.
 - c) Design and development of bi-directional interface with Laboratory equipment along with necessary software interface. In case Laboratory equipment does not support bi-directional interface, uni-directional interface should be provided.
 - d) To supply, install, configure, test and commission servers, UPS, connectors, etc. accessories, hardware, etc. required to successfully integrate the Laboratory equipments with server and with E-Hospital software.
 - e) To provide training to support personnel of department on installation, configuration, interfacing of Laboratory equipments with interface module, and with E-Hospital software and to carry out troubleshooting of issues.
 - f) To provide warranty as per the service level agreement stated in the tender.
- 2) To Service Provider shall carry out the design, development, installation, testing and commissioning of Internet of Things (IoT) sensors and gateways for monitoring the Medical Equipments through a centralized dashboard using webapp and mobileapp.

4.2. Appendix B — Reporting Requirements

The service provider shall submit weekly progress report on the Client.

4.3. Appendix C — Key Personnel and Sub-consultants

Not Used

4.4. Appendix D — Services and Facilities to be provided by the Client

The client will provide office space and office space bareshell and electricity required for the performance of this project.

The Client will provide LAN network from server room to Laboratories.

4.5. Appendix E — Format of Curriculum Vitae

Sl.	Particulars	Details				
1.	Proposed Position					
2.	Firm / Company Name					
3.	Staff Name					
4.	Date of Birth					
5.	Nationality					
6.	No. of years in Firm / Company					
7.	Educational Qualification	Sl.	Year	Degree	College / University	Marks (in %)
		1.				
		2.				
		3.				
8.	Professional Qualification / Training	Sl.	Year	Professional Qualification	Institution	
		1.				
		2.				
		3.				
9.	Membership in Professional Societies	Sl.	Memberships			
		1.				
		2.				
		3.				
10.	Employment Record (in reverse chronology)	From	To	Company	Designation	Location
11.	Languages Known			Speaking	Reading	Writing
		<i>[state whether proficiency is excellent, good, fair or poor]</i>				

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Sl.	Particulars	Details				
12.	Certification	<div>I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.</div> <table><tr><td>Date:</td><td></td></tr><tr><td>Place:</td><td>Signature of Staff Member</td></tr></table>	Date:		Place:	Signature of Staff Member
Date:						
Place:	Signature of Staff Member					

Authorized Signature:	
Name:	
Title:	
Company Seal:	

4.6. Appendix F — Format of Solvency Certificate

[To be printed on Bank's Letter head. Any other similar format as per Bank's policy can also be submitted]

Ref. No. _____

Date:/...../.....

To,

The Director
Directorate of Medical Education (DME)
Anand Rao Circle
Bengaluru - 560009
Ladies / Gentlemen,

RFP Ref. No.

Subject: Technical Proposal for
.....

This is to certify that to the best of our knowledge and information, M/s _____ (Bidder's name with complete address), a customer of our Bank, is respectable, and is capable of executing orders to the extent of Rs. _____/- (Rupees _____ only). M/s _____ have been our customer since _____ to date and has been granted the following limits, at present.

- 1)
- 2)

Yours faithfully,

Bank Official's Signature:	
Name:	
Title:	
Bank Seal:	

4.1. Appendix G — Checklist of Documents

[IMPORTANT NOTICE: The following checklist of documents should be submitted by the bidder in the bid. The following list is only an illustrative list and not the complete list of documents. Bidders may please note that, in case one or more documents as required in the RFP document are not submitted in the bid, as per the format mentioned in the RFP document and in clear & readable format, before the RFP due date and time, then the bid submitted by the Service Provider shall be liable for rejection. The Client reserves the right to accept / not-accept (during technical evaluation) any documents which have not been uploaded before the RFP due date and time. Therefore, the bidders are requested to read the RFP document carefully and submit/upload the complete list of documents as required in the RFP document.]

IFT No.: _____

Date: __/__/2019

Sl.	Checklist of Documents	Submitted? [Yes / No / Not Applicable]
1.	Details of EMD deposited	
2.	Technical Proposal Submission Form	
3.	Certificate of Incorporation in case of Private Limited / Public Limited Company	
4.	GST Registration Certificate	
5.	Consortium Agreement, incase bidder is a Consortium	
6.	Latest GST Clearance Certificate / Latest GST Returns	
7.	Latest IT Returns	
8.	Annual Turnover statement for last three financial years certified by Chartered Accountant as per format enclosed	
9.	Balance Sheet for last 2 financial years certified by Chartered Accountant.	
10.	Audited Balance Sheet	
11.	Audited Profit & Loss Statement	
12.	Affidavit as per format enclosed.	
13.	Telephone Bill / Lease Agreement / Ownership Agreement / GST Registration / Certificate of Incorporation	
14.	Work Orders/ Invoices	
15.	Work completion certificate / Satisfactory Performance letter	
16.	Solvency Certificate as per format enclosed	
17.	Proposed Methodology (for Laboratory Equipment Interfacing with NIC eHospital software, interfacing / integrating Laboratory Equipments to the Hospital LAN and	

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Sl.	Checklist of Documents	Submitted? [Yes / No / Not Applicable]
	Server, Internet of Things (IoT) Sensors and Gateways for Medical Equipment monitoring)	
18.	Proposed Timeline	
19.	Profile of Key professional Staff (Project Manager, Team Lead - Laboratory Equipment Interface, Team Lead – Internet of Things, Server Administrator, Technical Support Engineer	
20.	Training Documentations	
21.	Details of Consultant	
22.	Consultants References	
23.	Comments and Suggestions on the Terms of Reference and facilities to be provided by the Client	
24.	Description of the methodology and work plan for performing the assignment	
25.	Compliance Statement	
26.	Time schedule	
27.	Appendix G – Checklist of Documents	