

**RFP for IN-BUILDING MOBILE SYSTEM**



**INSTITUTE OF LIVER & BILIARY SCIENCES**  
(An Autonomous Society under Govt. of NCT of Delhi)  
D-1, VASANT KUNJ, NEW DELHI-110070  
Tel: 46300000 Extn. 5018 Fax: 46300010  
Web: [www.ilbs.in](http://www.ilbs.in)

Request for Proposal (RFP) Document for IN-BUILDING MOBILE SYSTEM

**Schedule to invitation of RFP**

|    |  |   |                     |
|----|--|---|---------------------|
| 1. | Document download start date/time                                | : | 3/8/2013 10:00 hrs  |
| 2. | Pre bid meeting  | : | 8/8/2013 11:00 hrs  |
| 3. | Bid Submission Start Date/time                                   | : | 10/8/2013 10:00 hrs |
| 4. | RFP document download end date/time                              | : | 24/8/2013 13:00 hrs |
| 5. | Bid Submission end date (Last date and time) for receipt of bids | : | 24/8/2013 15:00 hrs |
| 6. | Bid Opening Date and time (prequalification bid)                 | : | 24/8/2013 15:30 hrs |

1. On behalf of the Director, ILBS, RFP is invited from established, reputed and experienced agencies for *IN-BUILDING MOBILE SYSTEM* in Institute of Liver and Biliary Sciences, D-1, Vasant Kunj, New Delhi – 110070.
2. The agencies must read the prescribed terms & conditions and accept the same to proceed further to submit the proposals.
3. After downloading / getting the RFP schedules, the agencies should go through them carefully and then submit the documents as asked, otherwise, the proposal will be rejected.
4. Agency must unconditionally accept all terms and conditions stipulated in the original/downloaded RFP document and submit the entire signed and stamped document.
5. The Agency has to submit the RFP document in sealed envelope separately for PQB, technical and financial bid well in advance before the prescribed time to avoid any delay or problem during the submission process.
6. All documents submitted should be self-attested with seal of the agency.
7. In case the date of opening of bid is declared a holiday for unexpected reasons, the bids shall be opened same time on the next working day.
8. All pages of the proposal including all enclosures should be numbered (except printed leaflets/catalogue) and must be duly filled in, signed and stamped by the agency or his authorized representative. Offers received without signature and seal on all pages are liable to be rejected.

**Dy. Head Operations (Medical-II),  
ILBS**

## RFP for IN-BUILDING MOBILE SYSTEM

### ABOUT ILBS

The Institute of Liver & Biliary Sciences (ILBS) has been established by the Government of the National Capital Territory of Delhi as an autonomous institute, under the Societies act. The mission of ILBS is to become a dedicated international centre of excellence for the diagnosis, management and advanced training and research in the field of liver and biliary diseases. The first phase of ILBS is already functional having 180 hospital beds.

The second phase of ILBS is being constructed by DMRC as Project Management agency and is likely to be operational by end of 2013, will add a dedicated multi-stories research complex, auditorium, guest-house, hepato-biliary oncology unit, additional beds and residential accommodation.

ILBS is a deemed university under the UGC act and it aspires to become a unique model for an academic career both for the national and international students and the faculty.

### PROJECT INFORMATION

Institute of Liver and Biliary Sciences invites you to submit a proposal for *IN-BUILDING MOBILE SYSTEM* including telecom network architecture design and deployment for Phase II for the under construction Hospital and Institutional Blocks.

Details of the project are defined below.

ILBS Campus Phase-II constitutes of the following blocks:

- Clinical Block
- Nurse Hostel Block
- Research Block
- Vivarium Block
- Interns Hostel Block
- Kitchen Block

### I. IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE AGENCY:

|     |  |  |
|-----|--|--|
| (a) | <b>Client</b>                            | Institute of Liver and Biliary Sciences, New Delhi in short ILBS   |
| (b) | <b>Name of Services required</b>         | <i>IN-BUILDING MOBILE SYSTEM</i> in Institute of Liver and Biliary Sciences, D-1, Vasant Kunj, New Delhi – 110070                          |
| (c) | <b>Start of full service required by</b> | Complete service as per scope of work should start within 7 days from the date of receipt of the work order with prior intimation of ILBS. |
| (d) | <b>Bid Security (EMD)</b>                | 12,000/-   |
| (e) | <b>Performance Security</b>              | Equivalent to rental of one quarter  |

### II. PROCEDURE FOR SUBMITTING RFP

The following documents along-with supporting documents must be submitted in original form so as to reach the Office of the DHO (M-II), ILBS, Vasant Kunj, New Delhi, before the last date and time of the closing of the bid.

- i. Covering letter indicating the list of enclosures.
- ii. Original/downloaded RFP document duly filled in, signed and stamped by the Agency or his authorized representative and duly witnessed with name address & contact number of witness.
- iii. Declaration as per **ANNEXURE-I** along with attested Copies of Income Tax Return for the last one year, PAN No., and VAT Registration (if applicable) of the Agency.
- iv. Bid Security (EMD) in original along with declaration in **ANNEXURE -II**

### RFP for IN-BUILDING MOBILE SYSTEM

- v. Undertaking on official letter head of Agency, duly signed and stamped by agency or his authorized representative shall be given in **ANNEXURE-III** about years of experience in the field of *IN-BUILDING MOBILE SYSTEM*. If no proof of award of work, completion of work is submitted, the evaluation committee may make its own judgment and the agency may be considered as non-responsive.
- vi. Undertaking to accept Terms and Conditions of the document and to comply with them as per **ANNEXURE-IV** on Non-Judicial stamp paper of Rs. 50/- duly notarized and signed by the Agency or authorized representative of the agency.
- vii. Other documents as mentioned in Prequalification Bid (PQB) clause as given below in Para III.
- viii. **Technical bid** as per Para IV of this document however it must be noted that the no price should be indicated in the technical bid or PQB evaluation.
- ix. Separate envelop have to be submitted for PQB, technical bid and financial bid (as per annexure IV) clearly indicating PQB, technical bid and financial bid.
- x. Each page of the RFP Document should be numbered and signed by the Agency with the seal of the agency.

### III. PRE-QUALIFICATION BID(PQB)

Following documents are required to be submitted in the Pre-Qualification Bid. The agency must be responsive to pre-qualification bid criteria to qualify for technical bid evaluation. The bid criteria as mentioned in table must be fulfilled and supported by relevant document as indicated below:

| No. | Eligibility Bid Criteria         | Document  |
|-----|----------------------------------|---|
| 1   | ANNEXURE I                       | Properly filled and duly signed and stamped.  |
| 2   | Bid Security (EMD) of Rs /- only | DD/ Pay Order/ Banker's Cheque. FDR/ Bank guarantee in favor of "Director, Institute of Liver and Biliary Sciences" payable at Delhi, along with properly filled, signed and stamped ANNEXURE II                        |
| 3   | ANNEXURE III                     | The agency shall submit proof in the name of agency for providing similar services for last three years or more.<br>Please submit documentary proofs of such experience for the above mentioned mandatory requirements. |
| 4   | ANNEXURE IV                      | Undertaking by Agency on <b>non-judicial stamp paper of Rs. 50</b> , duly notarized, signed and stamped by the agency.  |

### IV. METHOD OF EVALUATION: TECHNICAL BID AND PRICE BID:

The bids shall be ranked keeping in view the marks obtained on a scale of 100 during evaluation of bids.

#### A. Method of evaluation:

**Technical Bid Evaluation** shall be done on the scale of 100 points with the following details for marking process for suitability. The matrix for evaluation of technical bids on the scale of 100 marks shall be as follows:-

#### 100 points scale:-

| Sr.No. | Criteria/Indicator   | Weightage  |
|--------|--|------------|
| 1      | Competence of organization – experiences of the agency/consultant in similar projects  | 20         |
| 2      | Agreement with Signal Providers  | 25         |
| 3      | Satisfactory performance certificate from clients for similar past projects  | 10         |
| 4      | Methodology and approach for implementing the project.   | 25         |
| 5      | Qualifications and experience of the team members for the IBS implementations in hospitals, institutes, universities, banks, insurance companies etc | 20         |
|        | <b>Total</b>   | <b>100</b> |

## RFP for IN-BUILDING MOBILE SYSTEM

### **B. TECHNICAL BID:**

Besides the documents in support of above mentioned points, the following documents are required to be submitted in the TECHNICAL BID:

1. The bidder shall submit proof of any one project in the name of agency for IBS work in last three years.
2. Provide the Technical Resource qualification and experience of the team who shall work in this project.
3. Satisfactory performance certificate from clients for similar past projects (IBS). In case this certificate is not available then ILBS reserves the right to consider the bid.
4. Necessary proof of having local office at Delhi/NCR for providing services.

In case of non- submission of requisite document(s) or providing of incomplete technical details by the agency, the bid is liable to be cancelled during the technical evaluation stage without any further reference, whatsoever.

**C. All agencies are required to prepare their Technical Presentations in accordance with the above mentioned Evaluation parameters. Date, time and venue for the technical presentation shall be informed to PQB responsive agencies. Inability to make presentation before the committee shall make agency liable for rejection.**

The duration of the presentation may be 20 minutes as per the following

- i) Technical Presentation by the agency as per the criteria mentioned in clause IV.
- ii) Question and answers by the Committee.

The agency scoring 60 or more points out of 100 shall qualify and be considered as technically responsive bid. The decision of the Technical Evaluation Committee shall be final and no representation in this regard shall be accepted. The price bids of only technically responsive bid shall be opened. The responsive agencies are advised to be present at the time of price bid opening (time, date and venue will be informed to responsive agencies).

Note: The agencies are advised to provide authentic information as needed and relevant both while submitting bid document (PQB and technical) as well as during technical presentation to enable the evaluation committee to make proper judgment and get a better assessment. Inabilities to provide information required or satisfactorily prove the statements or veracity of claims would go against the agency. No claim made subsequently shall be accepted or entertained.

### **V. PRICE BID:**

The Price Bids must be submitted in the prescribed format in as per **Annexure-V** and nowhere else.

**\* PLEASE NOTE THAT NO PRICES SHALL BE INDICATED IN THE PQB OR THE TECHNICAL BID OTHERWISE, THE BID WILL LIABLE TO BE REJECTED OUTRIGHTLY WITHOUT ANY FURTHER CORRESPONDENCE**

### **Method of evaluation- price bid evaluation:**

#### **Price Bids Evaluation:-**

The Work shall be awarded to the Agency obtaining the highest Price (financial) bid (per operator basis rent to be provided to ILBS) .

### **VI. Duration of Engagement**

## RFP for IN-BUILDING MOBILE SYSTEM

License will be for 10 years extendable to another 10years on mutually agreed terms and conditions.

### VII. GENERAL TERMS & CONDITIONS

1. Passive and active in-building and outdoor Hybrid solutions is required in ILBS Hospital Building -Phase2 to endow with best quality voice and data services to its subscriber. ILBS is looking for bidders who are capable of implementing this project and also needs to operate and maintain the entire system for the next 10 years. The prime duty would be to own the capex and maintain good adequate signal level (as given in the appendix) at all place in the ILBS Hospital Building (Phase2) throughout the contract period; along with this if there is any repair and rectification work of active equipments in case of any damage or fault by the bidder then this also will be under the scope of the bidder. The bidder shall pay the annual revenue for entire solution.
2. To install the IBS which strictly meets all the requirements of providing mobile cellular network coverage in entire building including but not limited to basements, corridors , parking area etc. The agency shall provide signals in the building without any cost to ILBS in case the institute changes any minor structure within campus/building during the contract period. IBS is mandatory and campus network shall be provided in outdoor area inside the ILBS campus only depending upon requirement of cellular signals.
  - a. **In case of any major change in building / campus, the solution shall be provided by the bidder on mutually agreed basis.**
3. The cellular network coverage should be restricted to the ILBS Premises/users/visitors only and shall not provide the similar network extension to any other surrounding clients using equipments deployed at ILBS.
4. ILBS will place Contract Orders for IBS and campus network based on the RFP.
5. The Bidder shall provide a reference list of deployed IBS AND campus Solutions.
6. The Bidder shall provide a detailed organization chart for the team that will be working on this project. All local team staff shall be mentioned by name and Bidder shall provide the CVs of the team.
7. The proposed staff shall be assigned to the project for at least 6 months. Beyond that date, ILBS shall approve any change of key staff (Project Manager, Design Lead etc) based on CV and/or interviews with replacement. The bidder may change site staff after due approval from ILBS.
8. The Bidder shall use their own technical expertise for design, implementation and final test (Active Solution), in case bidder uses sub-contractors for Implementation of IBS works such as feeder routing and civil works. The Bidder shall submit evidence of these sub-contractors availability and experience on request from ILBS. The bidder will also take care of the sub-contractors in all sorts of form during the course of the project. ILBS would not be held responsible for any sort of untoward incident happened in the course of the project. Also the Bidder shall provide identity cards and uniforms to its employees working in the premises of the the first party. A list of personnel of sub contractorshall be forwarded to ILBS for issue of temporary identity cards for their access inside the premises of the ILBS. Agency shall also ensure police verification of personnel hired for deployment in the premises of agency is carried out prior to their deployment.
9. The Bidder shall state if the company has presence in the region and if so the shall provide the locations.
10. The Bidder shall provide the location of the nearest Sales office and Support office.

**RFP for IN-BUILDING MOBILE SYSTEM**

11. The Bidder shall provide a local team that will be able to deliver the project on the agreed timeline.
12. The agency shall make reasonable efforts to provide better indoor cellular network coverage to its occupants/employees/guests/patients/visitor in the said Building including basements using cellular services of second party.
13. All the civil works & work creating sound, to be carried by the agency during non working hours, on prior approval.
14. The Bidder shall provide a proposal as to what possibilities he would have to increase the local team and/or sub-contractors to cover eventual peaks and what would be the ramp-up time required to do so.
15. The bidder will be responsible for providing the insurance for his teams. Bidder should be liable for the safety of their personnel (employees, sub contractors and others as nominated ) while working on their equipment/ installation in the said area, open space and/or building at large as above mentioned for their installation and daily operational works and hereby fully indemnifies the first party in case of any injury and /or accident in course of their duty.
16. The bidder shall be responsible to arrange and provide all the required tools for the installation including ladders, scaffolding etc as part of the deployment scope.
17. The client reserves the right to cancel the contract agreement in the event of non-commencement or unsatisfactory performance of the work contract. In such eventuality Client (ILBS) further reserves its rights to get the work done from some other agencies at the cost of bidding agency. The agency will also be black listed in the Institute for a period of 5 years from participating in such type of TENDER and his earnest money/security deposit may also be forfeited.
18. It shall be presumed that the terms & conditions mentioned in the RFP document including amendments/ corrigendum if any have been read understood and duly accepted entirely by the Agency. The Agency shall have no right to modify/ alter/ amend/ delete any terms/ conditions mentioned in document.
19. Furnishing of wrong information and false documents will make the Agency ineligible for bidding and liable to be debarred/ blacklisted from participation in RFP enquiries/Tenders/Annual Rate Contracts by the client and /or other Delhi Government's hospitals/departments.
20. The Agency is required to furnish documents in support of the information given in the RFP. Original documents shall be checked for verification as and when required.
21. The agencies through one of their authorized representatives are expected to be present at the time of opening of bid; however, the bids will be processed even when no agency/representative is present as per declared schedule.
22. The decision of the client regarding approval of bids shall be final and binding on all agencies.
23. Prospective Agency requiring any clarification of the Bidding Document shall contact the Client in writing at the Client's address before pre-bid meeting.
24. RFP forms are not transferable. Only the original/downloaded complete RFP form must be signed & stamped, and submitted.
25. Each page of the RFP document should be numbered and signed by the Agency or his authorized signatory and duly witnessed with the seal of the firm.
26. **Correspondence:** No further correspondence shall be entertained after opening of the RFPs.
27. Any person who is in Govt. Service anywhere or an employee of the Institute should not be made a partner to the contract by the agency directly or indirectly in any manner whatsoever.
28. The individual signing the RFP document/ bids or any document forming part of the bid on behalf of Agency, shall be responsible to produce a proper power of attorney duly executed in his favour stating that he/she

## **RFP for IN-BUILDING MOBILE SYSTEM**

has authority to bind other such person of the bidding agency as the case may be in all matters pertaining to the contract including the arbitration clauses.

In case the agency, so signing, fails to provide the said power of attorney; the client may, without prejudice to other civil and criminal remedies cancel the bid and hold the signatory liable to all costs and damages. In case of registered or unregistered partnership firm, all the partners should sign the bids. In case of change of any person signing the agreement on behalf of limited company or firm, he/she will produce a letter of authority/resolution passed by the company empowering him/her to sign the agreement on behalf of the agency.

29. Tax deduction at source shall be governed by the prevailing rules..
30. The Client reserves the right to:
  - i) Amend the scope and value of any contract under this project.
  - ii) Reject or accept any application without assigning any reasons thereof and
  - iii) Reject all applications and cancel the RFP.
31. The Client shall neither be liable for any such actions nor be under any obligation to inform the agencies.

## **VIII. PENALTY CLAUSES**

### **SLA**

|  |   |
|--|---|
| Time to respond by Bidder to ILBS for an issues related to service and quality of work | Time to resolve by bidder to ILBS for the issues reported     |
| 30 mins  | 4 hrs in case of minor issue<br>8 hrs in case of major issue. |

Maintenance – the required SLA need to be maintained throughout the period of service contract, else it will lead to cancellation of service contract.

In the event of failure to deliver the services as per the stages of work to the satisfaction of the client within the stipulated date/period in and in the event of breach of any of the terms and conditions mentioned in the Work order, the client is entitled:-

- i. ILBS shall be entitled to impose penalty on breach of service level requirement as mentioned above at the rate of .Minimum of 1% per day basis upto maximum of 5 % rental of that quarter.
- ii. To cancel the order or a portion thereof and if so desired to obtain such services under the contract at the risk and cost of the defaulting agency and also.
- iii. To extend the period of delivery or services with or without penalty as may be considered fit and proper, the penalty, if imposed shall not be more than the agreed liquidated damages referred to in sub-clause (a) above.
- iv. To forfeit the Bid deposit fully or partly.
- v. Wherever, under this contract, a sum of money is recoverable from and payable by the agency, the client shall be entitled to recover such sum by appropriating in part or in whole by deducting any sum or which at any time thereafter may become due to the successful bidder in this or any contract should this sum be not sufficient to cover the full amount recoverable, the successful bidder shall pay the client on demand the remaining balance.
- vi. The agency shall not be entitled to any gain on this account.
- vii. On explicit request of the agency the client, at its sole discretion, shall have the right to extend the timeline for stages of work wherever he is satisfied that there are good and sufficient reasons for such extension.

## **IX OFFER DOCUMENTATION**

1. ILBS would provide the information regarding the required Indoor coverage area and floor plans for

## **RFP for IN-BUILDING MOBILE SYSTEM**

the ILBS Institute Building (Phase2) buildings if any.

2. Based on the implementation report the bidder shall submit the following documents both in hard and soft copies for the proposed design and equipment: Indoor Design has to be done in IB-Wave tool only.
3. The bidder will do a survey of those areas where coverage needs to provision and present a new design considering meeting the requirements mentioned in the RFP.
4. The implementation schedule, optimization, Techniques and procedures must be submitted by the shortlisted bidders which shall consist of time line required at each location e.g.: Basement Floor, First Floor, 4 Antennas, 2 RU's installation, 3 days Acceptance Test Procedures, as per the requirement specified in RFP.
5. Network Management System – This will be used for remote monitoring of IBS and campus network. NMS should be in ILBS site Access shall be given to ILBS official for monitoring campus network and vendor shall nominate an engineer for updation and maintenance for the same. The site engineer shall visit the site on weekly basis and as and when required.

## **X DOCUMENT STRUCTURE**

This document – the Scope of Work - represents one part out of the complete Request for Quotation document package, consisting of the following parts:

**Appendix A: Architectural drawing**

**Appendix B: ILBS Design Criteria**

- 1.3.1 The documentation is given in soft copies.

## **XI INSTRUCTION TO THE BIDDER**

### **COMMERCIAL/CONTRACTUAL ISSUES**

1. Where the Bidder refers to Brochures, Specifications and System Descriptions etc.in responding to questions these must necessarily include the document(s), identify the relevant paragraphs within the document(s) and they must be appropriate and complete to be considered for inclusion in the evaluation of the offer.
2. Any information and clarification required by the Bidder in advance of the Proposal submission or inquiries regarding this Specification shall be requested in pre bid meeting.
3. To assist in understanding the Bid all abbreviations and terms used by the Bidder, particularly those unique to the offered system shall be defined in a "Glossary of Terms" to be submitted along with the offer.

## **XII SCOPE OF WORK OVERVIEW**

### **GENERAL**

1. The Bidder shall provide an offer for all Indoor and campus Solutions . The Offer shall be based on per operator model. The network should be on active DAS, can be Indoor and outdoor separately, only outdoor or combination of indoor and outdoor or a hybrid network. The network should be capable of supporting all regional telcos in the same network with required coverage and capacity. The bidder is responsible to own the Capex and maintain the network at its own cost for minimum 10 years.
2. For buildings where drawings are not available, the Bidder shall submit a rough diagram and proposal for the materials required based on the survey.



**RFP for IN-BUILDING MOBILE SYSTEM**

3. The Bidder shall co-ordinate with ILBS and/or other parties to overcome any obstacles that may delay this project.
4. The Bidder shall be responsible for removal of left over material from the site and keep location clean after the installation work.
5. The Bidder shall be responsible for IBS site survey, installation and commissioning of DAS and optimization of IBS sites within the scope of work.
6. The Bidder shall be responsible for installation, commissioning, testing and integration for the active solutions and elements including the fiber cables, patch panels, grounding, power cables etc. as part of the installation scope.
7. The Bidder shall be responsible to integrate all the active solution/Network elements and repeaters to the NMS.
8. The Bidder shall submit detail technical description documents for all active/passive components including power system used in its design/offer.
9. The Bidder shall be responsible for installation, commissioning, testing and integration of the cellular repeater.
10. The Bidder shall be responsible for routing Fiber, other cables and /or TIE cable (TXN Link) from ILBS TXN Room to Telecom room in the building/venue where ever required within the DAS deployment scope.
11. The Bidder shall take extreme measures in installation of antennas so that aesthetic look of the building is not spoiled.
12. The Bidder shall be responsible for all the civil works required to lay feeder cables and installation of indoor antennas including cutting and closing of ceiling at their own cost and risk.
13. The Bidder shall deploy the DAS as per approved design from ILBS.
14. The network should also meet the safety norms as guide lined by telecom regulatory. The network should not interfere with the medical equipments and also should not be health hazardous to the people inside the campus. In any such case the bidder will be penalties and service contract will be cancelled with immediate effect. Further the bidder need to have a shared infrastructure meeting health and safety guidelines.
15. The bidder shall coordinate with architects, vendors and various agencies working at site for better coordination. The bidder shall ensure that its work does not effect other ongoing work at the site.

**RFP for IN-BUILDING MOBILE SYSTEM**

**XIII DESIGN PROPOSAL**

1. The Bidder shall prepare DAS design as per ILBS design criteria (Refer Appendix B for design criteria) to cover all the design criteria for CDMA, GSM (900), DCS (1800) & UMTS (2100). The design should offer needed coverage and capacity in ILBS on Active DAS and the network should be capable of supporting all telcos in the region on same network.
2. The Bidder shall prepare the design based on the walk- through test report or survey conducted by the bidder.
3. The Bidder shall propose tentative design/BOQ for the LOCATIONS for which drawings are made available. BOQ shall be represented on shop drawings.
4. All the passive DAS components proposed in the solution shall support MHz- 2500 MHz frequency band, with VSWR not more than 1.3
5. The Bidder is allowed to carry out the surveys for the above buildings to propose the optimum BOQ and design, subject to the permission availability. But even before that, there need to be a formal request from the bidder for the permission at least 2 days before the activity.
6. The Bidder shall propose optimum DAS design that meets ILBS design criteria supporting with the simulation and/or test transmitter test.(Use IB design wave tool )
7. The Bidder shall be responsible for any change is the design arising due to aesthetics /owners/consultant request, structural changes, extension etc that should be considered as part of the design scope.
8. The Bidder shall provide a modified RF design in case the design criteria's are not met after the optimization as a part of design scope without additional cost implication to ILBS.
9. The Bidder shall clearly state the IBS AND OUTDOOR implementation, design and RF optimization processes. All the processes and the deliverables (RF design reports, optimization reports, as-built document, deployment reports etc) need to be mutually agreed.
10. The Bidder shall prepare & present the DAS design with antenna positions at each floor, location outdoor connection diagram & EIRP per antenna and submit to ILBS for approval.
11. Link budget calculations shall be mentioned clearly along with any assumptions done by the bidder
12. The Bidder shall ensure that there is no spillage of RF from the IBS & Outdoor and use all techniques to control RF leakage.
13. The Bidder shall use all modern RF tools for testing. Tools include but not limited to Indoor planning tool, RF test transmitter, Walk test kits and post processing tools.

#### **RFP for IN-BUILDING MOBILE SYSTEM**

14. The Bidder shall ensure that all deployed tools to measure and test indoor coverage can do so for GSM900, GSM1800, 3G UMTS (HSPA, HSPA+)
15. In case new operator is available in NCR for fresh license, the signal for the same shall be available in building within one year of launch of services by the new operator.. The agency shall ensure all operators in NCR and any fresh licensed operators in GSM/CDMA 2G, 3G, will be Accommodated without any disruption in service. Bidder shall also ensure that whenever 4G/LTE or any other technology based license are awarded by Government of India in future and any operator starts its service in the region, agency will make necessary changes in the network if required within 8-12 week. (remove 8 -12 weeks)
16. (Vendors don't want to give confirmation) The agency will also ensure the enhancement of Mobile connectivity within eighteen months of award of contract including but not limited to following service provider:-  
Airtel  
Vodafone  
Idea  
Reliance (GSM & CDMA)
17. In case a new technology is approved by government during the contract period , the signals for the same shall be made available within one year of launch of services by the new operator in the building integrated with the existing solution.

#### **XIV DAS IMPLEMENTATION CRITERIA**

1. The Bidder shall start implementation of DAS on approval of ILBS and project implementation agency i.e. DMRC
2. The Bidder shall be responsible to maintain good relationship with their Sub-contractors (if any) /representative to avoid any kind of delay in implementation. It is prefer to have direct involvement or presence of the bidder in design, implementation and AT.
3. The Bidder shall deploy independent implementation teams at different buildings locations to achieve the target as per schedule forecast submitted.
4. The Bidder shall be responsible to perform site survey to identify antenna location, cable raiser/routes, equipment locations etc.
5. The Bidder will perform the necessary civil work and install metal trunking, cable trays (if required) to route cables and install antennas in the building within the installation scope.
6. The Bidder shall be responsible to keep installation site clean and remove any access materials from the site before Provisional Acceptance Tests (PAT) take place.
7. The Bidder shall be responsible for bringing the telcos on the network, attending the progress and co- ordination meeting with Operators/ clients/representative and provide the minutes of meetings to ILBS.
8. The Bidder will be responsible to follow all the safety procedures, rules, byelaws etc as applicable to the respective sites Local authorities i.e BSES, DESU, DDA, DUAC, MCD, Telecommunications Departments, Police Departments and or/any other relevant authorized authority and/or department and that the ILBS shall not be held responsible for any lapse on part of the second party in this regard.
9. The Bidder will be responsible for providing the insurance for his teams. Bidder should be liable for the safety of their personnel (employees, sub contractors and others as nominated) while working on their equipment/installation in the said area, open space and /or building at large as above mentioned for their installation and daily operational works and hereby fully indemnifies the First party in case of any injury and/or accident in the course of their duties.
10. The Bidder shall be responsible to arrange and provide all the required tools for the installation including

### **RFP for IN-BUILDING MOBILE SYSTEM**

ladders, scaffolding etc as part of the deployment scope.

11. The bidder shall perform Voltage Standing Wave Ratio (VSWR) and Distance to Fault (DTF) tests for all the passive DAS components deployed in the venues. The bidder shall ensure that VSWR measurements are within the specified range (Mentioned in this document).
12. The bidder shall be responsible for any damage caused to the building during installation of the solution. The damage should be rectified by the bidder at its own cost and restored to its original state. (Bidder wants to include a point if there is any damage to their installation due to ILBS or any other contractor).

### **XV PROJECT MANAGEMENT**

1. ILBS requires close management of the project beginning with the issuing of the Letter of Acceptance (LOA). Project implementation meetings will be held regularly. The Bidder shall prepare progress reports in sufficient quantities available for these meetings.
2. The bidder shall submit weekly project progress reports in agreed format to ILBS authorized official.
3. The bidder shall be responsible to resource this project with experienced staff, both from a technical and project management perspective.
4. The Bidder shall present in detail Project Implementation Plan and responsibility matrix for the project.
5. The Bidder shall coordinate with ILBS project team and site representative from customer to deliver project on time.
6. The Bidder shall use all best practices of project management for timely delivery of the project.
7. The Bidder shall submit the implementation schedule for each building to ILBS project engineer prior to start of the work.

### **XVI WAREHOUSING AND SPARE PARTS**

1. The Bidder shall store DAS material in the place designated to them by ILBS. The Bidder shall store this material in his own responsibility and security.
2. The Bidder shall be responsible for local transportation from his warehouse to the sites.
3. The Bidder shall ensure that there will be no shortage of DAS material on the course of the project based on the forecast submitted to ILBS.
4. The Bidder shall propose required number of spares in the proposal. These Spares shall be purchased by bidder and stored in the bidder warehouse.

### **XVII SYSTEM ACCEPTANCE TEST**

1. The Bidder shall be responsible for preparing and presenting acceptance documents as agreed by ILBS authorized official.
2. The Bidder shall prepare ATP for deployment and RF acceptance separately.
3. All acceptance (ATP) documents must be approved by ILBS before any Provisional Acceptance Tests (PAT) can commence.
4. The Bidder shall be responsible for preparing and finalizing "As Built" drawings/documentation, Signal level at each and every antenna, naming all the antennas, and equipments. This must be showcased to ILBS.

## **RFP for IN-BUILDING MOBILE SYSTEM**

5. After end of warranty period of 10 years a Final Acceptance Certificate (FAC) will be issued provided that the system is working fine, all eventual warranty issues are resolved and closed, and that no outstanding items from the implementation phase are left unattended, (i.e. all outstanding items are cleared).
6. The Bidder shall be responsible for correcting any short-comings or outstanding line items at his cost before requesting for Final Acceptance Certificate (FAC).
7. The Bidder shall be responsible for replacing the faulty DAS Active / Passive components during the warranty period.
8. The Bidder shall be responsible for getting the Provisional Acceptance Certificate (PAC) for design, deployment, optimization etc separately for each location from the ILBS
9. The Bidder shall be responsible for getting the Delivery Notes approved and from the ILBS.

### **XVIII QUALITY ASSURANCE**

1. The Bidder shall be responsible for deploying experienced manpower in IBS project to ensure quality in DAS deployment.
2. The Bidder shall submit quality assurance document that will be relevant to IBS project.
3. The Bidder shall be responsible for any cost incurred due to poor quality of deliverables.

### **XIX. PAYMENT TERMS**

Advance quarterly rent shall be paid by bidder to ILBS. The amount will Increase by 20 % on the last rent paid after every three year. The bidder shall install an electrical energy meter at its own cost and pay the Energy charges on actual consumption basis on Quarterly basis to the ILBS.

### **XII. FORCE MAJEURE**

- i. If the execution of the work order is delayed beyond the period stipulated in the contract/supply order as a result of outbreak of hostilities, declaration of an embargo or blockage of fire, flood, acts of nature or any other contingency beyond the agency's control due to act of God, then ILBS may allow such additional time by extending the period as the considers to be justified by the circumstances of the case and its decision in this regard shall be final. If and when additional time is granted by ILBS, the work order shall be read and understood as if it had contained from its inception the date as extended. Non-availability of any part or manpower will not be considered as a force majeure conditions.
- ii. The agency will advise, in the event of his having to resort to this clause, by a registered letter, the beginning and end of the causes of the delay, within 15 days of the occurrence and cession of such force majeure conditions. In the event of delay last out of force majeure, ILBS will reserve the right to cancel the contract, and provisions governing termination of contract as stated in the bid documents will apply.
- iii. No delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall
  - a. constitute a default or breach of the Contract

## **RFP for IN-BUILDING MOBILE SYSTEM**

- b. give rise to any claim for damages or additional cost or expense occasioned thereby
- c. If and to the extent that such delay or nonperformance is caused by the occurrence of an event of Force Majeure.
- iv. Notwithstanding clause (iii) above, Force Majeure shall not apply to any obligation of the Client to make payments to the Agency herein.

### **XIII. RISK PURCHASE**

In the event of failure of the agency to commence the work within the stipulated time frame after the award of the work and/or render the services agreed to between the parties or in the event of breach of any of the terms and conditions mentioned in the work order ILBS has the right to obtain such services from elsewhere after a notice to the defaulting agency at the risk and cost of such defaulting agency. It is clearly mentioned that in the event of failure of the agency as detailed above, the cost as per risk purchase exercise may be recovered from the bills against any other pending dues with ILBS.

### **XIV. JURISDICTION**

This Contract including all matters connected with this Contract shall be governed and construed in accordance with the Indian Law both substantive and procedural and shall be subject to the exclusive jurisdiction of Indian courts at Delhi (India) to the exclusion of any other courts in India.

### **XV. ARBITRATION OF LAW**

- 1. All disputes and differences arising out of, or in any way, concerning this agreement (except those, the decision whereof is otherwise, hereinbefore provided for) shall be referred for sole arbitration by any person to be approved by the Director, ILBS. The venue of Arbitration shall be New Delhi, India. The award of the arbitrator so appointed shall be final and binding on both the parties and judgment may be entered thereon, upon the application of either party, by any court having jurisdiction.
- 2. Indian laws shall govern this contract.
- 3. The existence of any dispute(s) or difference(s) or the initiation or continuance of the arbitration proceedings shall not permit the Parties to postpone or delay the performance by the parties of their respective obligations pursuant to this Contract. The venue of the arbitration shall be Delhi, India.

### **XVI. NOTICES**

Any notice, request, or consent sought pursuant to the RFP 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 speed post, email, or facsimile to such Party i.e. the client or agency.

### **XVI. TERMINATION**

ILBS may terminate the contract, by not less than thirty (30) days' written notice of termination to the agency, to be given after the occurrence of any of the events specified in paragraphs(a) to (e) of this Clause below :

- (a) if the agency does not remedy a failure in the performance of their obligations under the Contract, within thirty (30) days after being notified or within any further period as the Owner may have subsequently approved in writing;
- (b) if the Agency becomes insolvent or bankrupt or Black-listed by any other Government agency;
- (c) if as a result of Force Majeure, the agency is unable to perform a material portion of the Services for a period of not less than sixty(60) days; or

**RFP for IN-BUILDING MOBILE SYSTEM**

- (d) if the Agency, in the judgment of ILBS has engaged in corrupt or fraudulent practices in competing or in executing the Contract.

For the purpose of this clause:

"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.

"Fraudulent Practice" means a misrepresentation of facts in order to influence a selection process or the execution of a contract to the detriment of the client.

(remove)

**XVII. Exclusive Right of the Director, ILBS**

The Director, Institute of Liver & Biliary Sciences (ILBS), has full and exclusive right to accept or reject any bid or RFP and / or withdraw the work order without assigning any reasons, whatsoever.

**Dy. Head Operations (Medical-II),**

ILBS, New Delhi.

**Signature of the TENDERer with stamp**

Witnesses:-

1.

2.

**ANNEXURE I**  
**INCOME TAX RETURN & PAN NUMBER**

RFP Enquiry No. **ILBS/NIT/**

Due for opening on:

As required by this RFP the copies of Documents as per details given below are being submitted:-

Details of IT Return: Copy of IT returns of FY 2008-09, 2009-10, 2010-11

PAN number (Attach a photocopy of PAN Card):

Service Tax Registration No:

VAT Registration No.

**Signature of the Bidder**

**Name & Address with stamp**



**ANNEXURE II**  
**DETAILS OF BID SECURITY/ EMD (EARNEST MONEY DEPOSIT)**

RFP Enquiry No.ILBS/NIT/

Due for opening on:

Bid Security (EMD) as required by this RFP is being submitted in the form of DD/Bank Guarantee/FDR favoring "Director, Institute of Liver and Biliary Sciences" payable at Delhi, and duly discharged in his favor in advance.

1. Details of Bid Security attached (DD/Pay Order/FDR, Bank Guarantee): \_\_\_\_\_

2. Instruments.No.\_\_\_\_\_ Dated\_\_\_\_\_

3. Drawn on (Bank)\_\_\_\_\_

4. Address of Branch \_\_\_\_\_

5. Amount\_\_\_\_\_

**Signature of the Bidder**

**Name & Address with stamp**

**ANNEXURE II**

**UNDERTAKING – YEARS OF EXPERIENCE**

**RFP No.** \_\_\_\_\_

**Due for opening on:** \_\_\_\_\_

**Name of the Service** \_\_\_\_\_

I/ We M/s \_\_\_\_\_ hereby declare that:

1. Our agency has been in business for a period of at least last ---- years in providing IBS Services.
2. We have served in similar works i.e. provided consultancy of IT Infrastructure in industry/hospital in the last 05 years as stated below.
- 3.

| S.No. | Name of the client | Scope of work | Date of start | Date of completion | Reference of authorized official on clients side with contact number | Annual Billing |
|-------|--------------------|---------------|---------------|--------------------|--|----------------|
| 1.    |                    |               |               |                    |  |                |
| 2.    |                    |               |               |                    |  |                |
| 3.    |                    |               |               |                    |  |                |
| 4.    |                    |               |               |                    |  |                |

**Note: Keep adding in the similar manner if the list is longer**

4. We will be able to provide required services, manpower, and other resources as per the RFP terms and conditions within 7 days of award of contract.
5. Supporting documents in the form of award of work/completion should be submitted.
6. If no proof of award of work, completion of work is submitted, the evaluation committee may make its own judgment and the agency may be considered as non responsive.

**Signature of the Bidder**

**Name & Address with stamp**

**ANNEXURE III**

**UNDERTAKING ON NON-JUDICIAL STAMP PAPER OF RS. 50.**

**RFP Enquiry No. ILBS/NIT/**

**Due for opening on:**

I/ We M/s \_\_\_\_\_ hereby declare that:

1. I/ we am/are agency engaged in business of providing IBS Services have examined the above mentioned RFP document including amendment/ corrigendum (if any) the receipt of which is hereby confirmed.
2. I/ we do hereby offer to provide IBS Services at the prices and rates mentioned in the price bid.
3. I/ we agree to abide by my/our offer for a period of 180 days from the date of opening of the RFP.
4. I/ we have carefully read and understood all the Terms and Conditions of the RFP and shall abide by them.
5. I/we agree for the all clauses and payment terms and conditions of this RFP enquiry. In case any condition put forth by us is against the terms and conditions of RFP, the same shall be treated as to be having no affect whatsoever and that the RFP terms and conditions shall only prevail upon such conditions, if any.
6. I/ we have requisite certificates as mentioned in the RFP document.
7. I/ we also declare that in case of change constitution of our firm or for any other change, merger, dissolution, insolvency etc. the same shall be immediately brought to the notice of client, in such case continuing partner, successor or administrator or permitted assign shall be responsible for discharging all the liabilities under this contract/ RFP
9. Our firm or any other agency with similar type of operation with same or some/one of the partners/proprietors being same as of the bidding agency has not been black listed in the past 3 years by any Government/ private institution except as per the following details:-  
(If there is any case please attach the details of the same)
10. I/we also certify that that there is no vigilance/ CBI case pending against the agency/ or any other firm with similar type of operation with same or some/one of the proprietors being same as of the bidding agency except as per the following details:-  
(If there is any case please attach the details of the same)
11. I/we also certify that that there is no pending case for payment/ civil liability pending against us in any of the courts except as per the following details:-  
(If there is any case please attach the details of the same)
12. I/we also certify that I have provided similar IBS Services to a hospital of more than 100 beds in India.

**Signature of the Bidder**

**Name & Address with stamp**

RFP for IN-BUILDING MOBILE SYSTEM

**ANNEXURE IV**  
**PRICE BID**

No escalation of rates quoted will be allowed during the period of contract.

| S.N.                                  | Phase of the Work                | Amount in INR | Taxes | Total Amount |
|---------------------------------------|----------------------------------|---------------|-------|--------------|
| 1                                     | Quarterly Rent for each operator |               |       |              |
| Total Amount in INR                   |                                  |               |       |              |
| Total Amount including Taxes in words |                                  |               |       |              |

**Note: In case the mobile signals of n operators are provided then bidder shall pay rent n times the quoted value**

**Signature of the Bidder**

**Name & Address with stamp**

**APPENDIX – B**

**ILBS Design Criteria**

| S.No. | Required items           | Value required   | Required area   |
|-------|--------------------------|--|---|
| 1     | VSWR                     | $\leq 1.3$   | In all cases and in all area                                      |
| 2     | Rx Level                 | $\geq -70\text{dBm}$ @ 98% for CDMA<br>$\geq -65\text{dBm}$ @ 98% for GSM 900<br>$\geq -65\text{ dBm}$ @ 98% for GSM 1800<br>$\geq -75\text{ dBm}$ @ 98% for WCDMA | 98 % of the total area  |
| 3     | Rx Level                 | $\geq -80\text{ dBm}$ for GSM 900 and CDMA and $-85\text{ dBm}$ for GSM and WCDMA during dedicated mode  | 80% In side Lift<br>90% In stair case area                        |
| 4     | Rx Level                 | $\geq -75\text{ dBm}$ at dedicated mode  | 95% area of Parking space   |
| 5     | Noise figure (GSM)       | $\leq 8\text{ dB}$   | In all area   |
| 6     | $E_c/I_o$ (CDMA/WCDMA)   | $\geq -7\text{dBm}$ at 100% traffic loading  | In all area   |
| 7     | Rx quality for GSM & DCS | Better than 4  | in all area   |
| 8     | Spillage                 | $\leq -100\text{dBm}$ at the distance of 10 meter from building edge.  |   |
| 9     | Call success rate        | $\geq 98\%$ call success   | in all area   |
| 10    | Call Hand over           | $\geq 98\%$ hand over success  | In all the entry and exists from indoor to outdoor and vice versa |