

Notice Inviting e-Tender
For
Implementation of a common shared In-
Building Solution(IBS) for providing shared
mobile coverage at SCTIMST.



श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान।
तिरुवनंतपुरम, केरल, भारत
(एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत
सरकार)।

**Sree Chitra Tirunal Institute for Medical Sciences and
Technology (SCTIMST), Thiruvananthapuram, Kerala, India**

(An Institution of National Importance, Govt. of India)

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NOTICE INVITING e-TENDER

(a)	Name of Work	Implementation of a common shared In-Building Solution(IBS) for providing shared mobile coverage at SCTIMST.
(b)	Tender No.	SCTIMST/HOS/P1/NIT/24-25/01
(c)	License Period	The period of the license shall be for Five (05) Years extendable by a further period of two (02) years subject to satisfactory performance (in terms of service, conduct and payment of dues/delayed interest) during the initial five years period.
(d)	Minimum Reserved License Fees/Minimum Monthly Guarantee	Rs 25,000/- per operator per month (Minimum three operators and escalation rate is 10% per annum)
(e)	Earnest Money Deposit(EMD)	Rs. 1,00,000/-
(f)	Security Deposit	Rs. 3,00,000/- per operator (Payment of Security Deposit within 15 days from the date of issuance of award letter)
(g)	Tender documents will be Issued From	As per e-Tendering Portal of SCTIMST, Trivandrum & CPP Portal https://www.sctimst.ac.in/Tenders/
(h)	Pre bid meeting	23.10.2024 at 2.30 PM at Mini Conference hall, AMCHSS For queries if any shall be sent to E-mail id: purchase1@sctimst.ac.in
(i)	Last Date, Time & Place of Submission	By 28.10.2024 at 17:00 Hours through online CPP portal.
(j)	Date, Time for opening of Tender(Technical Bid)	On 29.10.2024 at 15:30Hours.
(k)	Date, Time for opening of Tender(Financial Bid)	To be intimated later.

1. The indenting Bidder must read the Terms & conditions of SCTIMST, Trivandrum carefully.
2. Bidders should ensure they meet the eligibility criteria before submitting the bid.
3. Information and Instructions for bidders posted on website shall form part of bid document.
4. The Bid documents consisting of specifications, the schedule of quantities of various types of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://www.sctimst.ac.in/Tenders/> or through CPP portal.

**Director
SCTIMST, Trivandrum**

INFORMATION AND INSTRUCTIONS TO BIDDERS FOR E-TENDERING

The Director, SCTIMST, Trivandrum, Two (02) Bid system (Technical & Financial) from eligible Licensee having successfully completed works of similar nature as per eligibility criteria for the following work.

Sr.No.	Description	Details
(a)	BID No.	
(b)	Name of Work:	Implementation of a common shared In-Building Solution(IBS) for providing shared mobile coverage at SCTIMST.
(c)	Minimum Reserved License Fees /Minimum Monthly Guarantee [The quoted License Fee shall be for three(03) operators in the bouquet and the bidder will be bound to pay it as minimum.]	Rs...../- permonth (minimumfor3 operators, per operator Rs...../-per month)
(d)	Earnest Money Deposit	Rs1,00,000/-
(e)	Period of Completion	180days
(f)	Last date and time of online submission of tender	By 28.10.2024 at 17:00 Hours through online.
(g)	Time and date of online opening of Tender(Technical Bid)	On 29.10.2024 at 15:30 Hours.
(h)	Time and date of opening of Online Financial Bids	To be informed later.
(i)	Pre bid meeting	23.10.2024 at 2.30 PM at Mini Conference hall, AMCHSS
(j)	Period during which hardcopies of uploaded documents as declaration in lieu of submitting Earnest Money Deposit., Registration Certificates, Undertaking and other Documents to be submitted to The Director , SCTIMST, Trivandrum office by the Bidders for reference. However, the Eligibility will be considered as per uploaded documents.	To be submitted on or before 29.10.2024 by14:00 Hours . In case the last day happens to be closed due to holiday, these Documents shall be submitted on the next working day, failing which technical Bid will not be considered for Evaluation.
(k)	Mode of submission of Tender	On Line in CPP portal.

1. The intending bidder must read the terms and conditions of the Tender document carefully.
2. Bidders should ensure they meet the eligibility criteria before submitting the bid.
3. Information and Instructions for bidders for e-tendering posted on the website shall form part of the bid document.

4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from www.sctimst.ac.in/ tenders.
5. The intending bidders must have a valid class-III digital signature to submit the bid.
6. Copies of eligibility documents and Earnest Money Deposit as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format, and any other format as permissible by the e-tendering portal.
7. Contractor must ensure to quote the percentage rate in Proforma of quoting rates. In addition to this while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (zero). However, if a tenderer does not quote any percentage above/below on the total amount of the tender or any section /sub head in percentage rate tender or each item in item rate tender, the tenderer shall be treated as invalid and will not be considered as lowest tenderer.
8. After the submission of the bid online, it can be revised any number of times before or specified time on the last date of submission of the bid. While submitting the revised bid, the bidder can revise the rate of one or more item(s) any number of times (he need not re-enter the rate of all the items) but before the last date and time of submission of the bid as notified.
9. Financial bids shall be opened online only for bidders for whom Earnest Money Deposit and other documents are found in order and who are found to be eligible to bid for work. On the opening date, the bidder can login and see the bid opening process. After the opening of bids, he will receive the competitor's bid sheets.
10. If the Licensee is found ineligible after the opening of bids, his bid shall become invalid.
11. If any discrepancy is noticed between the eligibility documents as uploaded at the time of submission of bid and hardcopies as submitted physically by the bidder, the bid shall become invalid.
12. The Bidders shall have to submit original documents for Earnest Money Deposit and self-certified copies of all the scanned and uploaded documents on the same day of the opening of tender in the office of SCTIMST before the online opening of e-Tender.
13. List of Eligibility Documents to be scanned and uploaded within the period of bid submission:-
 - a. EMD from any scheduled bank in favour of SCTIMST, Trivandrum
 - b. Details of the concern and legal status that is whether it is sole proprietor, partnership firm or a company under the Companies Act.
 - c. Certified details of Gross Turnover (equivalent to 6 months value of MRLF i.e. 6 x MRLF-) in any of the last three financial years out of which 50% of GTO should be from the relevant business for which the facility has been Tendered. The Turnover details should be certified by a Chartered Accountant. In case of multiple business of a company then

the breakup of the turnover with the specific requirements of the tendered facility should be submitted duly certified by the Chartered Accountant.

- d. All Appendix to be duly filled and signed.
- e. Certificates of 5 years Work Experience & Minimum 2 successful Completion Certificate of Similar Work from Client not below the Rank of The Director or equivalent.
- f. Certificate of Registration for GST and acknowledgment of up-to-date filed return if required.
- g. Copy of PAN Card.
- h. Copies of Balance Sheets from CA.
- i. Copies of the undertaking.
- j. Detailed document as proof of experience with contact details.
- k. Copies of valid Registration Certificate for Infrastructure Provider by Ministry of Communications & IT Department of telecommunications.
- l. Each page of the e-tender documents should be duly signed with a seal otherwise the bid shall become invalid.
- m. MSME Registration Certificate.

14. Novation Clause:-

Notwithstanding anything contained in this agreement, Parties agree that during the Concession Term, in the event the Authority opts to transfer its rights such as operation, maintenance, development etc. in any manner as may be decided by SCTIMST/Government of India, then the Authority shall have the right to assign/novate/alter this agreement, in favour of such third party, to which concessionaire hereby gives their consent unconditionally and Authority will not be bound to obtain any further consent of concessionaire. Such assignment/novation/alteration would release Authority of all liabilities and obligations arising under this agreement from and after the date of assignment/novation/alteration and the rights and obligations of Authority under this Agreement and other arrangements entered into in accordance with the provisions of this Agreement shall be vested in such third party. The Parties, along with relevant third party shall execute necessary documentation or put in place necessary agreements for the aforesaid assignment/novation/alteration as and when need arise.

15. Set Off Clause:-

In the event of a default or breach in payment of License Fee or interest amount or any other amount due with the licensee of whatever nature as per the provision of this contract, SCTIMST is hereby authorized to adjust such amount from time to time to the fullest extent, with prior notice of 7(seven)days to the licensee, by set off and apply any or all amount at any time held with SCTIMST as security deposit or bank guarantee or any other amount as part of this contract or from any other expired/closed/terminated contracts of licensee with SCTIMST. This is without prejudice to any rights and remedies available with SCTIMST to recover the dues from licensee as prescribed by Law.

Explanation 1- For the purpose of this agreement set off means adjustment of any outstanding due(s)of Licensee, with any amount in form of BG/SD or otherwise, held by SCTIMST in relation to any other agreement, at SCTIMST premises.

Explanation 2- Outstanding dues shall mean and include any amount accrued/ due against the licensee under this or any other agreement at any of SCTIMST.

16. Business Incubation Period shall mean a period of 15 Days from the date of issuance of LOA to the selected bidder. The selected bidder will be under obligation to complete all the formalities/conditions of award as will be specified in the LOA.
17. Handing Over of Sites:
 - a. Sites will be handed over to the selected bidder upon fulfillment of conditions of award within the stipulated time of the business incubation period.
 - b. If the Licensee fails to complete the conditions of the award which are pre-requisite for handing over of site, then the gestation period will be deemed to have commenced the on 16th day of issuance of LOA i.e. immediately after expiry of business incubation period. However, the actual handing over of sites shall only be done after completion of all conditions of award.
18. Gestation Period:
 - a. Gestation period of 180 Days or actual commencement of Commercial Operation, whichever is earlier reckoned from the date of handing over of sites shall be permissible.
 - b. No gestation period is to be permitted in case of renewal/award of the concession/license in favour of the existing licensee in the same place (i.e. same area as well as location). However,
 - i. Where there is change in location or due to suspension of the business to carry-out modification at the existing area etc. in the concession/license premises, a normal gestation period, as defined above, may be permitted.
 - ii. If there is the increase in the area in the new license at the same location awarded to existing licensee, the gestation period would be applicable for the incremental area only (if he continues with the business from the existing area and needs development period for the incremental area). In this scenario, licensee shall continue to be billed on the basis of quoted license fee on pro-rata basis for existing area. Billing for the newly developed/incremental area shall be started after expiry of gestation period.
19. Each page of Technical Bids should be signed by the tenderer or person authorized by the tenderer. The authorization (Power of Attorney) should be on non-judicial stamp paper of Rs. 200/- duly attested by Notary Public.
20. The SCTIMST does not bind itself to accept the highest or any e-tender and reserves to itself the right of accepting the whole or any part of the e-tender and the tenderer shall be bound to provide the service at the rate quoted.
21. The amount of the license fee should be conspicuously written both in figures as well as in words. Overwriting, correction or insertion should be duly signed by the authorized signatories of the tenderer(s).

22. In case of discrepancy between the amount offered in figures and words, the offer written in words will only be considered

23. The LOA/Work Order shall be issued to H-1 bidder

24. In the event that the financial bid of two or more bidders are found to be the same and is the highest (the "tie bidders"), authority shall invite fresh financial bids, from such tie bidders and shall identify the selected bidder from amongst such tie bidders, provided that the revised financial bids of such tie bidders(s), shall be no less favourable to authority than their respective original bids.

25. The bidder should have their registered office/branch in Trivandrum. If not, an office should be opened in Trivandrum within 30 (thirty) days of the award of work. The details of address proof of office located at Trivandrum should be given.

**The Director
SCTIMST, Trivandrum**

SCOPE OF WORK

Introduction

Common Shared In-building Solutions (IBS) shall be offered by a single operator whereby with a common infrastructure all existing and upcoming mobile operators can serve their customers in an easy and efficient manner. Solutions is to work for various types of telecom operators such as GSM / CDMA / UMTS Technologies. In case of any technological upgradation beyond 4G/5G services, the licensee shall upgrade his infrastructure to provide those services. The technical specifications of the technology solution to be adopted by the selected Bidder should be at par with the latest industry standards.

The IBS shall provide uninterrupted and seamless cellular network connectivity by maintaining the availability of these operators throughout the tenure of this License Agreement. The drop of any mobile operators who have less than 5% subscriber share can be made only with the prior approval of SCTIMST

The selected operator shall be required to set up and manage the Common Shared In-building Solutions (IBS) at the SCTIMST Building and Associated areas. The selected operator will in turn provide the services of IBS to various telecom operators and other agencies that require the same at the SCTIMST by charging them appropriate license fee. The selected operator in turn will pay offered monthly license fee along with applicable taxes to SCTIMST which shall be subject to 10% annual compound escalation.

The MRLF fixed is for a Block1, Block2, Block 3, AMCHSS, Swasthy, Ladies Hostel and PMSSY (Main and Service) Block. In case more than the above areas got installed, the quoted licence fee will be proportionately increased.

Offer below MRLF will not be considered for award.

In addition to the above quoted licence fee, SCTIMST shall charge space rental, KSEB, KWA charges for the exclusive space allotted for Control Room, Equipment Room, etc. as per the SCTIMST policy.

The successful tenderer is liable to pay over and above the quoted License Fee, all the applicable Taxes, Statutory levies, fees including service tax applicable at the rates declared by Govt. of India/State Govt./Local authorities from time to time.

In addition, 10% of space licence fee per month shall also be payable by the successful tenderer towards utility/facilitation charges. Utility/facilitation charges shall be subject to change by SCTIMST from April 1st every year.

It shall be liability of the contractor to share invoicing details live with SCTIMST.

In Building Solution (IBS)

The IBS coverage shall be provided through a distributed antenna system and it shall be left to the Selected Bidder to decide on the technology solution fitted best to meet the coverage criteria keeping in view of the building profile and ground realities for mobile operators considering the commercial outflow to be paid by the mobile operators. The installation of the antenna has to be inside the false ceiling and aesthetics are to be maintained.

The Licensed Space shall be utilized only by the Licensee or his associates/permitted operators as per Terms and Conditions of Tender/Bid Document. The sites shall exclusively belong to SCTIMST, without creating any right, title or interest of whatsoever nature in the said Licensed Premises in favour of the Licensee.

For the purpose of placement of equipment, the Licensee shall submit the design/layout of the location of placement of equipment along with other relevant details. SCTIMST shall consider the plan with respect to aesthetics, operational feasibility, and safety & security concerns. If the whole plan or a part of plan is not approved by SCTIMST, Licensee is required to submit a revised plan for approval. All further modification/ revision in plan(s) are required to be approved by SCTIMST.

The Selected Bidder shall be responsible for obtaining necessary permissions from Department of Telecommunications (DoT) and comply with all the guidelines issued by DoT from time to time and applicable law for undertaking the Permitted Activity in the Licensed Premises. Any law/instruction issued by Local Authority, in this regard, shall also be adhered to.

After completion of work, as-built drawings and a detailed project report shall be submitted by the licensee to SCTIMST.

Terms & Conditions

1. All costs regarding Survey, Design, Drawing, implementation (Supply, installation, testing, and commission) and Operation & Maintenance of the system will be borne by the successful Licensee. SCTIMST will not be pay any amount in this regard.
2. The selected operator shall be required to set up and manage the Common Shared In-building Solutions at the SCTIMST, (Total area of the buildings: Approx.6.0 Lakh Sq.ft.), in all the existing three Blocks(Block A,B,C) at main Hospital campus, the Swasthy building, the new PMSSY block, AMCHSS, and Nurses Hostel.
3. The Licensee should ensure that the frequency bandwidths of different mobile operators do not overlap.
4. A major responsibility of the Licensee is to ensure that the infrastructure network remains operational for a minimum of 99 percent of the time.
5. Providing and installing electrical meters is the responsibility of the Licensee.
6. The Licensee must maintain all safety regulations in accordance with Indian Electricity rules (IE).
7. The successful Licensee shall have to make all arrangements with the service providers for providing adequate mobile signals, O&M expenses and other service charges. The direct and indirect cost involved for the operation of IBS equipment is to be borne by the solution provider a part from the licence fee and rental fee.
8. The said project shall offer shared In -building solutions for various types of telecom operators such as GSM (Global System for Mobiles) /CDMA (Code-Division Multiple Access) / UMTS (Universal Mobile Telecommunications System)Technologies.
9. The Licensee shall ensure all Mobile technologies such as 2G /3G / 4G/ 5G or future generation technology should be integrated/ upgraded to this common infrastructure. It should enhanced mobile data speeds and compatibility with future technologies.

10. Licensee will design the best-fit telecom solution for SCTIMST with mutually agreed upon.

11. Unique Benefits of the operator (Airtel, Reliance Jio, BSNL & Vodafone, etc.) on a non-discriminatory basis shared network in the SCTIMST campus.

12. Mobile network Signal strength values are defined by a few different measurements which vary even more for different service modes. These measurements are as follows: RSSI , RSRP,RSRQ , RSCP ,SINR ,EC/ IO . Both Signal Strength and Signal Quality must be considered for successful cellular data connection, So Licensee shall ensure all the above parameter to maintain at good level so that the strength and Signal Quality will not dropped. The below range requirement as follows:

a) The Licensee shall maintain 2G/3G/4G/5G Signal strength:

RSSI – Received Signal Strength Indicator; RSSI is a negative value, and the closer to 0, the stronger the signal. Strong signal with good data speeds RSSI value = -70dBm to -85 dBm .

b) The Licensee shall maintain For 3G service mode, there are three relevant measurements:

- RSSI-Received Signal Strength Indicator. RSSI is a negative value, and the closer to 0, the stronger the signal. Strong signal with good data speeds RSSI value=-70 dBmto-85dBm

- EC/IO-indicatesthedownlinkcarrier-to-interferenceratio(signalquality).EC/IO is a negative dBm value. Values closer to 0 are stronger signals. Strong signal with good dataspeeds-7dBmto-10dBm

- RSCP-indicatestheReceivedSignalCodePower.Strongsignalwithgooddataspeeds-75dBmto-60dBm

c) The Licensee shall maintain for 4G service mode, there are four relevant measurements:

- RSSI- Received Signal Strength Indicator. RSSI is a negative value, and the closer to 0, the stronger the signal. Strong signal with good data speeds RSSI value=-65 dBmto-75dBm

- RSRP- the Reference Signal Received Power is the power of the LTE Reference Signals spread over the full bandwidth and narrowband. Strong signal with good data speeds -80 dBm to -90dBm

- RSRQ-Reference Signal Received Quality is a C/I type of measurement and it indicates the quality of the received reference signal (similar to EC/IO). Strong signal with good data speeds -10dBto 15dB

- SINR- Signal to Interference plus Noise Ratio. Indicates the through put capacity of the channel. As the name implies, SINR is the strength of the signal divided by the strength of any interference. Strongsignalwithgooddataspeeds13dBto 20dB

d) Cellular Distributed Antenna Systems (DAS): In-Building Distributed Antenna Systems (DAS) have become a critical part of both carrier cellular networks and enterprise infrastructure. A DAS is a network of antennas that sends and receives cellular signals on a carrier's licensed frequencies, thereby improving voice and data connectivity for end-users. DAS has two basic components:

i) Signal source :A DAS needs to be fed signal from somewhere. Whether it's 4G LTE or 5G,there are four typical signal sources: off-air (via an antenna on the roof), an on-site BTS (Base Transceiver Station), and finally the newest approach: small cells. The Licensee shall installed the BTS, NodeB, eNodeB, gNodeB signal source for Highest performance and Can provide as much capacity as needed for any venue. The connection between a cell carrier's BTS and the core network typically requires a dedicated fiber connection that is usually installed by the carrier themselves.

ii) Distribution system: Once received, the cellular signal must be distributed throughout the building. There are four main types of distribution systems: active (using fiber optic or Ethernet cable), passive, hybrid, and digital. The infrastructure provider has provide 99.95% uptime of the DAS network. A distributed antenna system in a large hospital , stadium or airport may even connect to multiple BTSes—one for each carrier—to handle the load of tens of thousands of users calling, texting, and using data simultaneously.

13. Mode of deployment of In building solution :

The possible modes are deployment by a neutral host infrastructure provider or Build and managed by mobile operator and sharing with other service providers on non-discriminatory basis.

GENERAL RULES & DIRECTIONS

1. Name of Work: e tender for “Implementation of a common shared In-Building Solution (IBS) for providing shared mobile coverage at SCTIMST Trivandrum.”
2. Financial bids shall be opened online only for bidders for whom Earnest Money Deposit and other documents are found in order and who are found to be eligible to bid for work. On the opening date, the bidder can log in and see the bid opening process. After the opening of bids, he will receive the competitor’s bid sheets.
3. Intending Bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works. The similar work means, **“Common Shared In building Solutions for Providing Shared Mobile Coverage Solution for various types of telecom operators like GSM / CDMA /UMTS in Govt hospital, SCTIMST, Airport, Railways, Govt bus terminals, Metro.”**
4. Eligibility Criteria: Indenting Bidder, who fulfil following requirement shall be eligible to apply:-
 - (a) The bidder should have positive networth and should not have incurred loss in last 03 (Three)Year sending i.e.by31st March 2024, duly certified by Chattered Accountant.

Gross Turnover Criteria:

 - i)The Party should have an Annual Gross Turnover equivalent to six month value of MRLF (i.e. 6 x MRLF amount)
 - ii) Qualifying Turnover specified above should be at least 50% from the same kind of business.
 - iii) The Turnover Criteria should be in any of the last 3 financial years.
 - iv) The turnover details should be duly certified by a Chartered Accountant.
 - v) In case of multiple business of a company then the breakup of the turnover with the specific requirements of the tendered facility should be submitted duly certified by the Chartered Accountant.
 - (b) The experience of similar work should be from Central Govt., State Govt., PSU and Autonomous Body.
 - (c) Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.
 - (d) Technical Capacity:

- (i) Licensee/Firm having two (02) years of experience in last seven (07) years of providing such facility in Central Govt., State Govt., PSU and Autonomous Body.
- (ii) Total years of experience, as required is to be reckoned from the date of opening of the technical bid i.e. on the date of opening of technical bid, the party should fulfill the experience criteria as claimed.
- (iii) The experience, as claimed should be duly supported by documents establishing the claim of the bidders. The copy of required documentary proof can be copies of award letters supported by experience certificate issued by the contract awarding authority; copy of work completion certificate issued by the contract awarding authority. Books of accounts shall clearly depict the incomes from the claimed business.
- (iv) Participation in the form of consortium is not allowed.
- (v) Only one e-tender document shall be sold to a single party either a firm or an individual. The proprietor of more than one company or firm will be considered as single party and one legal entity.

(e) Financial Capacity:

Minimum Gross Turnover requirement shall be Rs. 100 Cr/above. The required turnover of the company/Licensee should be in any three (03) financial years for which technical experience has been claimed.

5. Preparation & Submission of Tender through Online.

The Tender should be submitted in 02 (Two)parts i.e. Technical Bid and Financial Bid respectively. The Technical Bid should be sent by the Bidder through online as Technical Bid "for" Implementation of mobile network coverage solution of Telecommunication system at SCTIMST Trivandrum."

6. Earnest Money Deposit.

The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of Rs. 1,00,000/- (Rupees One Lakh only) by way of Demand Drafts (Drawn in favor of SCTIMST, Trivandrum) or Fixed deposit. Scanned Copy of the Demand Draft must be uploaded and the original DD must be submitted with the Technical Bid documents. Bid(s) received intender without Demand Drafts of EMD will be rejected. The EMD of the successful Bidder shall be returned after the successful submission of Bank Guarantee/Annual Deposit and, for unsuccessful bidder(s) it would be returned after Award of the Contract.

- (i) As per SOP No. 5/1 & clause no-6 of CPWD Manual-2019 the MSME firms registered in NSIC under PP policy are exempted from payment of EMD for supply of Goods & Services only.
- (ii) Micro and small Enterprises if registered with any government bodies specified by ministry of Micro, Small & Medium Enterprises (M/o MSME) with valid certificate duly issued by GOI are exempted for submitting EMD.
- (iii) Other Firms registered with MSME/ NSIC with valid certificate duly issued by GOI are also exempted for submitting EMD. No other type of certificate is applicable.

- (iv) The exemption and relaxation in EMD is subject to the validity & acceptance of the registration certificate on the date of opening of tender.
7. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost, all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions.
8. The Tender paper/documents can be seen / downloaded from Official website & submitted through online. For any query, Sr. Purchase and Stores Officer, Purchase Division, SCTIMST, Trivandrum, may be contacted.
9. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the Agencies who resort to canvassing will be liable to rejection.
10. The Director, SCTIMST, Trivandrum reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
11. The Licensee shall not be permitted to bid for works in the SCTIMST, Trivandrum responsible for award and execution of contracts, in which his near relative is posted as an officer in any capacity between the grades of Superintending Engineer and Assistant Engineer (both inclusive). He shall also intimate the names of person who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the SCTIMST, Trivandrum. Any breach of this condition by the Licensee would render him liable to be removed from the approved list of Licensee of this Department.
12. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a Licensee for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the Licensee or any of his employees is found anytime to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the Licensee service.

13. The bid for the works shall remain open for acceptance for a period of 180 days from the date of opening of bids.

14. This notice inviting bid shall form a part of the contract document. The successful bidder/ Licensee, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of "The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rate quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

15. Security Deposit:

Payment of Security Deposit within 15 days from the date of issuance of award letter, amounting to Rs. 3,00,000/- per operator. The SD amount to be submitted in the form of BG having a validity period of 180 days from the date of expiry of contract from any scheduled commercial bank. Bank Guarantee from co-operative bank, even scheduled, or in the form of FDR is not acceptable.

16. Goods and Services Tax (GST).

(a) GENERAL REMARKS ON TAXES & DUTIES: In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, service Tax, VAT, Sales Tax, Entry or any other form of indirect Tax except of GST mentioned in the bidding document shall be ignored.

(b) Bidders are required to submit copy of the GST Registration certificated while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.

(c) "GST shall mean Goods and services Tax charged on the supply of material(s) and services. The term 'GST' shall be construed to include the integrated Goods and Services Tax (Hereinafter referred to as "IGST") or central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and services Tax (Hereafter referred to as "SGST") or union Territory Goods and services Tax (herein after referred to as "UTGST").

(d) Quoted price/rate(s) should be inclusive of all taxes and GST (i.e. IGST or CGST and SGST / UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service. However, GST rate (including cess) to be provided in the respective places in the price Bid. please note that the responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the supplier of Goods/services(service provider)only. Supplier of Goods/Service (Service provider) providing taxable service shall issue an invoice/Bill, as the case may be as per rules/regulation of GST. Further, returns and details required to be filled under GST laws & rules should be timely filed by supplier of Goods/services(Service provider) with requisite details.

17. The Licensee shall be solely responsible for compliance to the provisions of various Labour and industrial laws, such as, wages, allowances, compensations, EPF, Bonus. Gratuity,

ESI etc. relating to personnel deployed by it at SCTIMST, Trivandrum site or for any accident caused to them and the institute shall not be liable to bear any expense in this regard. The Licensee shall make payment of wages to workers engaged by it by the stipulated date irrespective of any delay in settlement of its bill by SCTIMST, Trivandrum for whatever reason. The Licensee shall also be responsible for the insurance of its personnel. The Licensee shall specifically ensure compliance of various Laws / Acts, including but not limited to with the following and their re-enactments / amendments / modifications:-

- (a) The Payment of Wages Act 1936.
- (b) The Employees Provident Fund & MP Act,1952.
- (c) The Contract Labour (Regulation) Act,1970.
- (d) The Payment of Bonus Act,1965.
- (e) The Payment of Gratuity Act, 1972.
- (f) The Employees State Insurance Act,1948.
- (g) The Employment of Children Act, 1938.
- (h) The Motor Vehicle Act, 1988.
- (i) Minimum Wages Act, 1948.

18. **Breach of Terms and Conditions:** Noncompliance of any terms and conditions enumerated in the contract shall be treated as breach of contract. Or In Case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to reject the bid at any stage without assigning any reason thereof and nothing will be payable by SCTIMST, Trivandrum in that event the firm shall be suspended for One Year.

19. **Termination of Contract:** SCTIMST, Trivandrum would have the right to terminate the contract, in case the work performance is not up to the standard, or in case there is any violation of SCTIMST, Trivandrum rules & regulations, or if there is any lapse in compliance of any labour legislation, or if there is any incident of indiscipline on the part of the Tenderer or his staff and the agreement may be terminated. The decision of SCTIMST, Trivandrum's management in this regard would be final and binding on the Tenderer. In such an event, SCTIMST, Trivandrum shall have the right to engage any other tenderer to carry out the task.

20. **Arbitration:** The Arbitration shall be held in accordance with the provision of the Arbitration and conciliations Act, 1996 and the venue of arbitration shall be at Trivandrum. The decision of the Arbitrator shall be final and binding on the both parties.

21. **Dispute Settlement:** It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations

then the same shall be referred to the sole Arbitrator appointed by the Director, SCTIMST, TRIVANDRUM whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.

22. Payment terms and condition:

- I. Licensee will pay a monthly licence fee as per the Quoted rate.
- II. The electricity bill will be paid by the firm as per the Metering Unit.
- III. All costs are borne regarding Survey, Design, Drawing, implementation (Supply, installation, testing, and commission) and Operation & Maintenance of the system will be borne by the successful E-Tender Licensee. SCTIMST will not be paid any amount in this regard.
- IV. Successful E-Tender Licensee will also pay a monthly licence fee and rental fee for the space provided by the SCTIMST and also the electricity bill as per the Metering Unit to SCTIMST. The over all amount will be paid to SCTIMST each month within 7 days.
- V. Payment of advance license fee for one month within 15 days from the date of issuance of the award letter.
- VI. Commencement of the facility within 180 days [gestation period] during which period no licence fee and rental fee shall be payable. The quoted amount of the licence fee and rental fee shall become payable after 180 days from the date of award of the letter.
- VII. The Licensee shall pay all rates, assessments, out goings and other taxes as leviable on the Licensee in 'Laws'.
- VIII. The Licensee shall make payment of licence fee and Rental fee etc. by cheque/demand drafts/online drawn on local banks.
- IX. That in the event of outstanding dues exceeds one month, the Authority may without prejudice to other rights and remedies be entitled to charge penal interest @ 12% per annum on delayed payment for the first month and thereafter @ 18% per annum for a maximum of two months. During this period, the Licensee shall be issued notice for clearance of outstanding dues. If the Licensee fails to clear the dues within the said period of 2 (two) months, the contract shall be terminated and the dues along with penal interest shall be adjusted from the Security Deposit, without grant of any extension whatsoever."

23. Penalty: All the work shall be completed within the time given in the work order from the date of issue of Work Order by the Institute. All the aspects of safe installation shall be the exclusive responsibility of the Licensee. If the Licensee fails to complete the work on or before the stipulated date, then a penalty at the rate of 1% per week of the total order value shall be levied subject to a maximum of 10% of the gross licence fee value of 6 (six) months.

24. Vendor shall submit following documents after execution of given work:

- (a) Work Completion declaration.
- (b) Installation, Testing & Commissioning Certificate.
- (c) Material Test Certificate.
- (d) Warranty/Guarantee Certificate
- (e) Colour Photos of Executed work at different stages on glossary paper
- (f) No-Claim Certificate (NCC) regarding work
- (g) GST return up to date Voucher.
- (h) Bank Account Details
- (i) Other necessary documents.

25. The Selected bidder will survey the premises and as per the E-tender document, he will arrive with a detailed design, drawing & technical datasheet of the telecommunication system at the entire SCTIMST Campus. Further, all items/products/solutions required for a turnkey project to be submitted. All the work should be made as per CPWD norms.

26. Submission of Technical specifications of all equipment and the solution proposed is mandatory.

27. Preparation and submission of all Layout drawings, GFC drawing including all equipment before execution the work. After approval of Engineering In-charge the Licensee will start the work.

28. Preparation and submission of detailed solution document and network architecture including but not limited to the following components:

I. All civil/electrical installations like the tower, Antennas, Power splitter, directional couplers, combiners/filters, connectors, jumpers, RF feeder, rack, and other electrical accessories, onsite equipment details also have to submit in the BOQ including layout drawing.

II. The successful E-TENDER bidder shall submit the final testing and commissioning report after the completion of the work.

29. The Licensee/firm shall be required to set up and manage the Common Shared In-building Solutions at the SCTIMST Campus. The operator/ Licensee will in turn provide the services of this system to various telecom operators and other agencies who require the same at the SCTIMST by charging them an appropriate license fee.

30. Features required to be provided by Network Service Provider: -

I. Minimum three mobile operator.

II. It will include all cellular standards such as GSM, CDMA, W-CDMA.

III. The project coverage shall be provided through Distributed Antenna Systems and it shall be left to the successful E-TENDER bidder to decide on the technology solution fitted best to meet the coverage criteria keeping in view of the building profile and ground realities for mobile operators considering the commercial outflow to be paid by the mobile operators.

IV. The technical specifications of the technology solution to be adopted by the successful e-Tender bidder should not be inferior to the technology being used by individual cellular operators. The licensee shall indemnify SCTIMST from any claim from individual operators/users/any regulatory Licensee.

31. Operation & Maintenance of the equipment:

- I. All complain should be resolve with in 24Hr after register the complain by mail or telephone.
- II. The Licensee shall be solely responsible for comprehensive maintenance and up keep the system in good condition.
- III. Quarterly preventive maintenance service shall be done.
- IV. The preventive maintenance shall be prepared and submitted in advance to the EIC by the Licensee. The necessary shut down may be taken with prior permission of the Engineer-in-Charge.
- V. The unlimited breakdown service calls shall be attended as and when required in free of cost. The maintenance work should be carried out without hampering the system.
- VI. The machines will be kept under working conditions throughout the year except certaineventualities(includingbutnotlimitedtoactsofGod,epidemic,acts of Government, War, Civil commotion, terrorism, misuse of equipment with proper justification, public strike, failure of incoming power supply, fire, flood, adverse climate conditions or natural disaster) of the service provider.
- VII. All major and minor jobs including turnkey-based full phased maintenance jobs are responsibilities of the service provider.
- VIII. The tools and tackles for the maintenance job will be provided by the Licensee at the site.
- IX. The scope of comprehensive maintenance contract (CMC) for the system installed by him shall include all type of maintenance, repair, spares, consumable items, software and support services to keep the system fully operational.
- X. If any damage will occurs in the system during the maintenance work shall be rectified immediately by the Licensee. No extra cost will be paid for this.
- XI. The service engineer deputed by the Licensee shall be well qualified and having enough knowledge in the field of Telecommunication System.
- XII. The Licensee shall submit service report to the Engineer- in-charge after completion of the preventive maintenance and as well as break down maintenance.
- XIII. If Licensee fails to give service, then legal action will be initiated against the Licensee as per rule.

32. Following documents/records to be maintained at site:

- a) Attendance Register.
- b) Tools Register.
- c) List of tools and test equipment's available at site.
- d) Log Book.
- e) Meter Reading Sheet.
- f) Preventive Maintenance Schedule Register.
- g) Shutdown Permit Register.
- h) Testing/Calibration Register.

33. Rate of Escalation:

The License Fee is subject to be compounded with escalation of 10% per Annum. Service tax will be applicable over and above License Fee.

a) The first annual escalation will be applicable after completion of one year license period. There after the same will be applicable after completion of subsequent one year period there from.

SPECIAL TERMS AND CONDITIONS

1) Licensee shall be responsible for obtaining necessary permissions from Department of Telecommunication [DOT] and comply with all guidelines issued by DOT from time to time. Any Law /Instruction issued by Local Authority, in this regard, shall also be adhered to.

2) The infrastructure should not hamper any other SCTIMST facility.

3) The Authority shall not be responsible in any way for loss or damage by any means causes to the Licensee's stock or property.

4) The Licensee shall at his own cost maintain the premises in a proper state of cleanliness and abide by such directions as may be given by the Authority and such other departments as may be entrusted by the rules and regulations with the works of inspection and enforcement about the conditions of sanitation, cleanliness and hygiene. If the premises is not maintained in reasonably clean condition by the Licensee, Director shall have powers to get the premises cleaned at the risk & cost of the Licensee and recover liquidated damages at the rate of Rs. 500/-per day for each default up-to 7 days and thereafter Rs. 1000/-per day and can take other action including termination of the licence.

5) The Licensee his agents and servants shall not without consent of the authorities, interfere with Institute staff, injure, destroy any materials or things placed in, under or upon any land or building of the Institute

6) The Licensee shall not store or bring or keep in the premises articles, equipments which are not active and not used for the IBS.

7) The Licensee shall maintain a complaint book in a prominent place in the premises and in such a way that it is easily accessible, to any person who wishes to record any complaint and the said book shall be open for inspection.

8) On expiry of the license period or on termination of the license by the Authority on account of any breach on the part of the Licensee, the Licensee shall deliver the possession of the premises in good condition and in peaceful manner along with furniture, fittings, equipments and installation, if any, provided by the Authority. Further, Licensee shall remove his/their goods and other materials from the premises immediately, failing which Authority reserve its right to remove such goods/materials at the cost & risk of the Licensee and demand payment for such removal. If such payment is not made within 10 days, Authority shall be at liberty to dispose off the goods/materials of the Licensee by public auction to recover the cost. The Licensee shall not be entitled to raise any objection in such an eventuality.

9) Once the share infrastructure is made available, no new permission to be accorded for individual service provider to install IBS however they will be free to join the share structure as per manually agreed terms & conditions with the IBS provider.

- 10) The direct and indirect cost involved for the operation of IBS equipment is to be borne by the Licensee apart from the licence fee and rental fee.
- 11) The Licensee shall have to make all arrangements with the service providers for providing adequate mobile signals, O&M expenses and other service charges.
- 12) The Licensee shall obtain prior permission from SCTIMST to include/exclude any service provider in the Project.
- 13) The Licensee shall provide adequate mobile signal coverage in the mentioned area.
- 14) Other Obligations of Licensee:
- a) During the continuance of this agreement, the Licensee shall not commit or suffer to be committed, any waste, spoils or destructions in or at the said space/site given.
- b) On the expiry of the contract period, Licensee shall promptly take action to remove the fixtures and fittings from the sites and in the event of not removing, or when the contract is terminated for any reason during the tenure of the contract for breach of terms and conditions or otherwise Authority will be at liberty to remove them and dispose of the materials and adjust their sale proceeds against the expenditure incurred by the Authority and in case on any short fall, the Authority shall be at liberty to recover the same from the Licensee.
- 15) **Force Majeure :**
- Force Majeure' is hereby defined, as any cause, which is beyond the control of the Licensee or SCTIMST as the case may be, which could not be foreseen, and which substantially affects the performance of the project such as:
- Natural phenomena including but not limited to floods, droughts, earthquakes, and epidemics: Acts of any Government, domestic or foreign, including but not limited to war, declared or undeclared, priorities, quarantines, embargoes: provided either party shall within 15(fifteen)days from the occurrence of such a cause notify the other, in writing, of such causes.
- 16) Bidders are requested to visit the site to assess the feasibility of business and thereafter may bid in the E-TENDER. No reduction in licence fee and rental fee will be entertained by SCTIMST at a later stage.
- 17) No structural alteration and addition are to be made in the space allotted without prior written consent from authority.
- 18) All fixtures and fittings and any property of the Licensee once installed inside or outside the building, under the provisions of this agreement, shall only be removed from their sites locations with the previous written approval, in the form of a formal 'Gate Pass' obtained from an authorized officer of the Authority.
- 19) That the Licensee for the said facility shall be valid for the period of 5 years from the competition of the work unless terminated earlier on account of following:
- (a) By giving 180 days notice in writing from either side without assigning any reason.
- (b) Terminated by SCTIMST on short notice on account of unsatisfactory performance.
- (c) Termination on expiry of the specified period allotted for unresolved internal dispute resolution

20) That in addition to the above-said license and rental fee, Licensee shall pay all charges towards consumption of electricity, water as may be due as determined by the Authority and at the rate(s) fixed by it from time to time. Such charges shall be paid within the date(s) specified in the bill(s). The Licensee shall have to provide his meter(s) for the purpose, failing which Licensee shall be billed on assessed consumption. In default to payment of said charges, the Authority may without prejudice to its other rights disconnect or cause to be disconnected the water and electricity to the said premises without any notice and the Licensee shall not be entitled to any compensation whatsoever on account of any such disconnection. Every one year meter calibration report shall be submitted from authorized laboratory.

21) The Licensee shall equip himself with all necessary permits, licenses and such other permissions as may be required under the law in force at any time about the operation of the subject project.

22) The Licensee shall maintain such regular and proper account books along with other supporting documents regarding sales effected by the Licensee in the said premises and said accounts/documents shall all the times be kept open for inspection by Authority in such manner as may be prescribed. The Licensee shall provide to the Authority, if so required by the Authority, Statements of audited Accounts in such manner and within such period as the Authority may prescribe. Licensee shall be liable to share invoicing details live with SCTIMST.

23) That the Licensee shall have no right to object as and when the Authority decides to grant additional License for similar Facility at the SCTIMST premises where the Licensee is rendering such services.

24) All the times during the project, it shall be the responsibility of the Licensee to obtain proper fire insurance coverage including theft and burglary in respect of all the movable and immovable assets stored or used in the SCTIMST premises and authority shall not be responsible for any loss or damage caused to the Licensee on any accounts whatsoever.

25) That the Authority reserves to itself the right to change the location of the premises at any time and may at its discretion, call upon the Licensee to vacate the site and may give him an alternative premise for the purpose. In such a case, the Licensee shall be bound to vacate the premises immediately and accept the said alternate premises. The entire expenditure on such shifting shall be borne by Licensee and the Licensee shall not be entitled to claim any compensation or revision.

26) The Licensee shall not erect or display any advertisement or signboards except after obtaining the prior approval in writing of the Authority.

27) The Licensee shall not terminate the contract before the expiry of the period of the contract except by giving 180 days' notice in writing, other wise the Licensee shall be liable to pay to the Authority (without any demur or question) such amount of money as the Authority may decide as due to it by the Licensee. The Licensee can be terminated by the Authority by giving 180 days' notice in writing without assigning any reason thereto.

28) **TERMINATION/EXIT CLAUSE**

The Termination Clause, Exit Clause, Dispute Resolution Clauses of this agreement shall be as follows:

(i) Normal termination: The contract will deem to be terminated on the last date as given in the agreement provided, the extension or renewal is approved by the competent authority on or before the last date and communicated to the Licensee in writing and duly accepted.

(ii) Termination for cause: If the Licensee or SCTIMST has invoked the internal dispute resolution clause (as per which the dispute referred to the Dispute Resolution Committee is to be completed within a period of 45 days) and the same remains unresolved after the specified time period, it will be deemed that the notice period for the termination has commenced from the next date within which the dispute should have been resolved. No extra notice need be served by either party and the contract will terminate after the expiry of the notice period.

(iii) Termination for convenience. : Either party, SCTIMST on one part and the Licensee on the other part can serve the notice for termination by giving the requisite notice period. The notice by SCTIMST to be served only after obtaining the approval of the acceptance authority. Similarly the notice given by the Licensee should be approved by the acceptance authority. However the date on which notice was received at SCTIMST will be the commencement of the notice period and the administrative time required for the approval will not be added. If the Licensee has served the notice then the Licensee is liable to pay demurrage charges. The demurrage charges will be equal to the amount of six months current licence fee if the termination occurs before the 50% period of the original contract. The period of 6 months will be reduced to 4 months if the contract period served exceeds the 50% period but is less than 75%. If the period served exceeds 75% and the period remaining is more than the required notice period for normal termination the demurrage charges will be equivalent to 3 months licence fee.

(iv) Termination for regulatory /legislative or supervisory requirements.

If any provision of law or legislation of India makes it mandatory to stop/prohibits the continuation of this license at any particular location or otherwise then it will deemed to be closed from the date of such enactment. No Compensation will be payable by the Authority.

(v) Exponential Penalty

Exponential Penalty on the Licensee at the rate of double the licence fee per month in the form of damage charges will be imposed by the Authority on the Licensee for unauthorizedly occupying the premises after expiry of the license period.

29) The bidders can conduct a survey of the area and the business potential of the contract before quoting their bids. No rebate of any sort shall be given in future due to any reason what so ever.

30) In case the service provider fails to comply with the Instructions of DOT orders to remove all such infrastructure, that shall be removed by Service Provider itself on its own cost and such termination happens before completion of 50% of the total tenure then the service provided shall pay penalties to SCTIMST as per Termination clause of Tender Document. The Service Provider shall not be entitled for any such claims from SCTIMST. An Undertaken/ Declaration to be taken from Service Provider in this regard before issuing award letter.

31) The infrastructure should not hamper any other SCTIMST facility and also in the operation of the existing cellular service provider in any manner and they (existing cellular service provider) will be free to join this shared infrastructure.

- 32) No Objection Certificate from SCTIMST (Engg-In-Charge) for each location needs to be obtained before installation of equipment.
- 33) All the above guidelines form part of the agreement.

CONDITIONS FOR ELECTRICAL WORKS

GENERAL CONDITIONS :

1. Name of the work: "Implementation of mobile network coverage solution of Telecommunication system at SCTIMST, Trivandrum."
2. For all items of Electrical; CPWD specifications with correction slips up to the date of receipt of tender shall be followed. For the items which are not covered under CPWD specifications; the special conditions/ B.I.S. specifications shall apply. In this regard the decision of Engineer-in-charge shall be final & binding.
3. Wherever any reference is made of any Indian Standard, it shall be taken as reference to the latest edition with all amendments/ revision issued there to up to the date of receipt of tenders.
4. Other agencies working at site will also simultaneously execute the work entrusted to them and the Licensee shall offer necessary co-operation wherever required to other agencies.
5. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials. The contractor shall be bound to follow all such restrictions and adjust the program for execution accordingly, for which nothing extra shall be paid.
6. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, Labor Laws, minimum wages act, workmen compensation act and other statutory laws enacted by Central Govt. as well as State Govt.
7. No residential accommodation shall be provided to any of the staff engaged by the Licensee. The Licensee shall not be allowed to erect any temporary set up for staff in the campus.
8. No claims of the labours shall be entertained by the Department including that of providing employment, regularization of services etc.
9. All T&P, ladders/Hydra etc, Electrical instruments for execution of internal electrification work, consumable and Contingent Articles required for execution of the work shall be arranged by the Licensee.
10. Staff employed by the Licensee should be well behaved, polite & courteous. Any complaint against staff on behaviour should be taken very seriously and such staff should be removed by the Licensee immediately from the site and replacement shall be provided immediately.
11. All dismantled material will be removed from site by Licensee after verification of measurement of the same by JE.

12. The Licensee shall make all safety arrangement required for the labor engaged by him at his own cost. All consequences due to negligence or due to lapse of security/safety or otherwise shall remain with the Licensee. The department shall not be responsible for any mishap, injury, accident or death of the Licensee's staff. No claim in this regard shall be entertained/accepted by the department. Also, Licensee is responsible to the damage caused to any man/material other than his team during execution and SCTIMST will not be responsible for that.
13. Licensee shall be fully responsible for any damages caused to govt. property or allotter's property by his or his labor in carrying out the work and shall be rectified by the Licensee at his own cost.
14. Chases, holes & drilling works etc. shall be done using power operated tools in the cost of Contract. No extra will be paid for the same.
15. COST OF TESTS: The cost of preparing samples and carrying out tests for quality of material or workmanship will be borne by the Licensee except for such exclusions as are specifically mentioned in the specifications laid down in contract. The cost of all test carried out by Laboratories directed by the Engineer-in-Charge will be borne by the Licensee.
16. The Licensee has to get the material approved from the Engineer-in-Charge before its procurement and actual use at site of work.
17. The scope of work includes all minor building works required for execution work such as cutting of wall etc. and making good the same. Nothing extra will be paid to Licensee for the same.
18. The watch and ward of material and installation shall rest on the part of Licensee during execution of work.
19. The Licensee will take care of the building etc. while handling / installing the equipment to avoid damages to the building. If any damages occur during the execution of work, it shall be made good by Licensee without any extra cost. Scrap folding/hydra crane work will be the scope of the vendor with no extra cost.
20. The vendor shall submit color photographs printed with glossy paper for showing different stages of work during the submission of final bill.

The Director

SCTIMST, Trivandrum

SIGNATURE OF THE LICENSEE

TECHNICAL SPECIFICATION

WIRING

1. GENERAL

Technical specifications in this section cover the Internal Wiring Installations comprising of Wiring for convenience socket outlet in surface/concealed conduit.

2. STANDARDS AND CODES.

Latest up to date Indian Standard (IS) and Code of practice will apply to the equipment and the work covered by the scope of this contract. In addition, the relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended Up To Date shall also apply. Wherever, appropriate Indian Standards are not available, relevant British and/or IEC Standard shall be applicable.

3.0 LT CABLES

3.1 GENERAL

LT Cables shall be supplied, inspected, laid, tested and commissioned in accordance with specifications, relevant Indian Standards Specifications, and cable manufacturer's instructions. The cable shall be delivered at site in original drums with manufacturer's name clearly written on the drums. The recommendations of the cable manufacturer with regard to jointing and sealing be strictly followed.

3.2 MATERIAL

The L.T.Cables shall be XLPE insulated FRLS aluminium conduct or armored cable, PVC inner sheathed, overall PVC sheathed in conformity to latest technical specification and as per latest IS code.

3.3 LT CABLE LAYING

3.3.1. The cable shall be laid directly in cable tray clamped with 40mm x 3mm MS flat clamp, in HDPE pipe below 750 mm from ground level and in cable trench. The cable laying work will be done as per CPWD specification of electrical works.

3.3.2. Under ground Cable Laying procedure

A trench of about 1.5 meters deep and 45cm wide is to be dug as per required. Then the trench is to be covered with a 10 cm thick layer of fine sand. The cable is to be laid over the sand bed. The sand bed protects the cable from the moisture from the ground. Then the laid cable shall again be covered with a layer of sand of about 10 cm thick. When multiple cables are to be laid in the same trench, a horizontal or vertical spacing of about 30 cm is to be provided to reduce the effect of mutual heating. Spacing between the cables also ensures a fault occurring on one cable does not damage the adjacent cable. The trench is then to be covered with bricks and soil to protect the cable from mechanical injury.

3.4 INSPECTION.

All cables shall be inspected at site and checked for any damage during transit.

3.5 Metal Structure:

Main Support: GI Angel 55x55x5 , supporting angel of back side:55x55x5 , back Side of letter GIPipe2x1of18 gauges as per design. Fully Color and Concrete Base for the Structure.

4.0 TESTING OF CABLES

4.1 Prior to the installation of cables, the following tests shall be carried out. Insulation test between phases, phase & neutral, phase & earth for each length of cable.

- a) Before laying
- b) After laying
- c) After jointing

4.2 On completion of cable laying work, the following tests shall be conducted in the presence of the Engineer-in-Charge.

- a) Insulation Resistance Test (Sectional and overall).
- b) Continuity Resistance Test.
- c) Earth Continuity Test.

4.3 All tests shall be carried out in accordance with the relevant Indian Standard code of practice and Indian Electricity Rules. The Licensee shall provide the necessary instruments, equipment and labour for conducting the above tests & shall bear all expenses of conducting such tests without any extra charge.

5. CONDUITS.

5.1. MS CONDUITS. Wiring shall be carried out in surface/concealed conduits. The MS conduits conform to Latest and shall be ISI embossed. The conduits shall be heavy gauge (minimum 2 mm wall Thickness) and the interiors of the conduits shall be free from all obstructions. All joints in conduits shall be tightening properly with socket. Damage conduits/fittings shall not be used. Cut ends of conduits shall not have sharp edges.

5.2. BENDS. As far as possible, the conduit system shall be so laid out that it shall obviate use of tees, elbows and sharp bends. No length of conduit shall have more than the equivalent of two quarter bends from inlet to outlet.

5.3 CONDUIT ACCESSORIES

5.3.1 STANDARD ACCESSORIES. The conduit wiring system shall be completed in all respects, including their accessories. Bends, couplers, Dip junction Boxes etc. shall be solid or inspection type as required, in surface type or works. The accessories shall conform in all respects to the relevant IS. Samples shall be got approved by The Director before use.

5.3.2.FABRICATED ACCESSORIES Wherever required, outlet boxes of required sizes shall be fabricated from 1.6 mm thick MS sheets which shall be fabricated from minimum 3 mm thick

sheets. The outlet boxes shall be of approved quality, finish and manufacture. Suitable means of fixing connectors etc., if required, shall be provided in the boxes. The boxes shall be protected from rust by zinc phosphate primer process. Boxes shall be finished with minimum 2 coats of enamel paint of approved colour. A screwed brass stud shall be provided in all boxes as earthing terminal.

6. WIRES. Wiring shall be carried out with FRLS insulated 660/1100-volt grade unsheathed single core wires with electrolytic annealed standard copper (unless otherwise stated) conductors conforming to latest IS Code. All wire rolls shall be ISI marked. All wires shall bear the manufacturer's label and shall be brought to site in new and original packages. Manufacturer's certificate, certifying that wires brought to the site are of their manufacture shall be furnished as required.

7. LAYING OF CONDUITS

- Conduits shall be laid on the surface/concealed on walls and ceilings as required.
- Same rate shall apply for surface/concealed Conduiting in this contract.
- Stranded copper conductor insulated wire of size as per the schedule of quantities shall be provided in entire conducting for loop earthing.

8. SURFACE/CONCEALED CONDUCTING

Wherever so desired, conduit shall be laid in the surface over finished concrete and/or plastered brickwork. A suitable GI/MS Hook of approved make and finish shall be fixed to the finished Structural surface along the conduit route at intervals not exceeding 600mm. Holes in concrete or brick work for fixing the saddles shall be made neatly by electric drills using masonry drill bits. Conduits shall be fixed on the saddles by means of good quality heavy-duty MS clamps screwed to the saddles by counter sunk screws. The neat appearance and good workmanship of surface conduiting work is of particular importance. The entire conduit work shall be in absolute line and plumb. The MS conduit should be painted with primer initially and then with two coats of approved make colour before laying the conduit.

8.1 FIXING OF CONDUIT FITTINGS AND ACCESSORIES

For surface/concealed Conduiting work, the fittings and accessories shall be completely embedded on the finished wall/ceiling surface in a workman-like manner. Loop earthing wire shall be connected to a screwed earth stud inside out let boxes to make an effective contact with the metal body.

8.2 CLEANING OF CONDUIT RUNS

The entire conduit system including outlets and boxes shall be thoroughly cleaned after completion of erection and before drawing in of cables.

8.3 PROTECTION AGAINST DAMPNESS.

All outlets in conduit system shall be properly drain and ventilated to minimize chances of condensation/sweating.

8.4 EXPANSION JOINTS.

When crossing through expansion joints in buildings, the conduit sections across the joint shall be through approved quality heavy duty metal flexible conduits of the same size as the rigid conduit. The expansion joint crossing shall be done as approved by Engineer-in-Charge.

8.5 LOOP EARTHING.

Loop earthing shall be provided by means of insulated stranded copper conductor wires of sizes as per the Schedule of Quantity laid along with wiring inside conduits for all wiring outlets. Earthing terminals shall be provided inside all switch boxes, outlet boxes and draw boxes etc.

9. LAYING AND DRAWING OF WIRES.

9.1. BUNCHING OF WIRES

Wires carrying current shall be so bunched in conduits that the outgoing and return wires are drawn into the same conduit. Wires originating from two different phases shall not be run in the same conduit.

9.2 DRAWING OF WIRES.

The drawing of wires shall be done with due regard to the following precautions: No wire shall be drawn into any conduit, until all work of any nature, that may cause injury to wire is completed. Burrs in cut conduits shall be smoothed before erection of conduits. Care shall be taken in pulling the wires so that no damage occurs to the insulation of the wire. Approved type bushes shall be provided at conduit terminations. Before the wires are drawn into the conduits, conduits shall be thoroughly cleaned of moisture, dust, dirt or any other obstruction by forcing compressed air through the conduits if necessary. While drawing insulated wires into the conduits, care shall be taken to avoid scratches and kinks which cause breakage of conductors. There shall be no sharp bends. The Licensee shall, after wiring is completed, provide a blank metal/mica plate on all switch/outlet/junction boxes for security and to ensure that wires are not stolen till switches/ outlets etc. are fixed at no extra cost the Licensee shall be responsible to ensure that wires and loop earthing conductors are not broken and stolen. In the event of the wire being partly/fully stolen, the Licensee shall replace the entire wiring along with loop earthing at no extra cost. No joint of any nature whatsoever shall be permitted in wiring and loop earthing.

9.3 TERMINATION/ JOINTING OF WIRES.

Sub-circuit wiring shall be carried out in looping system. Joints shall be made only at distribution board terminals, switches for socket outlets. No joints shall be made inside conduits or junction/draw/inspection boxes. Switches controlling socket outlets shall be connected in the phase wire of the final sub circuit only. Switches controlling socket outlets shall be connected in the neutral wire. Wiring conductors shall be continuous from outlet to outlet. Joints where unavoidable, due to any special reason shall be made by approved connectors. Specific prior permission from Engineer-in-Charge in writing shall be obtained before making such joint. Insulation shall be shaved off for a length of 15mm at the end of wire like sharpening of a pencil and it shall not be removed by cutting it square or wringing. Strands of wires shall not be cut for connecting terminals. All strands of wires shall be twisted round at the end before connection. Conductor shaving nominal cross-sectional area exceeding 1.5 Sq. mm shall always be provided with crimping sockets. Tinning of the strands shall be done wherever crimping sockets are not available as per instructions of the Director. All wiring shall be labelled with appropriate plastic ferrules for identification. At all bolted terminals, brass flat

washer of large area and approved steel spring washers shall be used. Brass nuts and bolts shall be used for all connections. The pressure applied to tighten terminal screws shall be just adequate, neither too less. Switches controlling socket outlets shall be connected to the phase wire of circuits only. Only certified valid license holder wire men shall be employed to do wiring/jointing work.

9.4 LOAD BALANCING.

The Licensee shall plan the load balancing of circuits in 3 phase installation and get the same approved by the Engineer-in-Charge before the commencement of the work.

9.5 COLOUR CODE OF CONDUCTORS.

Colour code shall be maintained for the entire wiring installation – red, yellow, blue for three phases, blank for neutral and green for earth.

10. PERFORMANCE.

Should the above tests not comply with the limits and requirements as above the Licensee shall rectify the faults until the required results are obtained. The Licensee shall be responsible for providing the necessary instruments and subsidiary earths for carrying out the tests. The above tests are to be carried out by the Licensee without any extra charge.

11. MINIATURE CIRCUIT BREAKERS.

The MCB's shall be of the completely moulded design suitable for operation at 240/415 Volts 50 Hz system. The MCB's shall have a rupturing capacity of 10 KA at 0.5 pf. The MCB's shall have inverse time-delayed thermal overload and instantaneous magnetic short-circuit protection. The MCB time current characteristic shall coordinate with the XLPE cable characteristic. Type test certificates from independent authorities shall be submitted before the execution of work.

Other Conditions:

1. Provision for IBS and outdoor pole network in the entire campus of SCTIMST
2. Bidder to invest in the entire CAPEX/OPEX for laying the infra structure including pole tower and neutral infrastructure.
3. Bidder to build and maintain multi operator and neutral discreet communications network
4. Bidder to watch and ward the installed equipment / networking cables etc.
5. Depute required manpower for day to day maintenance and to attend complaints of end users and ensure uninterrupted services during the tenure.
6. Bidder to follow fire and EHs safety norms
7. Bidder to upgrade the technology as guidelines issued by Govt from time to time during the contract period and also in line with the technological advancement in the relevant field and in line with the performance criteria
8. Bidder responsible for the entire cost and risk of the project activity being taken up.
9. Bidder to be responsible for the operation , maintenance and housekeeping of provided telecom infrastructure to keep it in perfect operating condition with specified power uptime as provided in the agreement.

10. Bidder to obtain all local approvals to facilitate installation of the service providers equipment including frequency authorization.
11. Possibility of further extension for 5 years in lieu of 2 years after initial 5 years
12. Provision for suitable penalty matrix for rectification of defects caused to property of SCTIMST within specified period intervals including exponential penalty on licence at the rate of double the licence fee per month in the form of damage charges for unauthorized occupancy of the premises after expiry of the contract period or beyond the allocated area.
13. Rent to be given on the first day of each month in advance with provision for interest @15% p.a. for delayed period which is further subject to discretionary powers on the Institute to terminate the contract for non/delayed payment of rent beyond 90 days of the due date with forfeiture of performance guarantee.
14. Uptime provision as per industry standard to be maintained by service provider failing which provision for penalty as applicable (to be defined)
15. At least 3 carriers operating in the region to be integrated within 6 months of award of work after which rent shall be charged based on 3 carriers integration irrespective of actual carriers integrated subject to rent on actual basis if more than 3 carriers integrated.
16. Provision for termination for any illegal activity against the law of the land done by the contractor.
17. Liability arising out of the presence of IBS provider and of their operations shall be the sole responsibility of the IBS service provider only
18. Provision for SCTIMST to reject proposal if found unsuitable for any reason
19. Bidder to ensure that its equipment installations are as per manufacturers stipulated guidelines and the working team shall follow safe installation practices and that the infrastructure provider is responsible for the safety of its men, material, public/ private property and third parties affected for any adversities.
20. Provision for maintenance of 5g service mode/ any latest technology developed from time to time in this regard.
21. Service to commence at least within 6 weeks from the date of LOA
22. Bidder to be Regd and incorporated in India under the companies act 1956/2013. And has been in operation in India in the relevant field at least for 5 years.
23. Bidder shall not be defaulted/debarred/blacklisted by any Govt/authorities/PSU/Public Enterprises for poor/bad performance delivery
24. Provide Valid proof of GST regn/PAN
25. Bidder shall not be from any restricted country sharing land border with India as per the relevant Govt Of India guidelines issued. Or else should be regd with competent authority in India for bidding participation. So also in the case of any tot arrangement with concerns of such country.
26. Technical details to be provided along with the bid
27. Bidder to issue an undertaking of not being insolvent /bankrupt/not being would up / in receiver ship/suspended its activities/operations/subject to legal proceeding thereon.
28. Financial bid should clearly mention the monthly rental as per operator basis and escalation provisions on yearly basis as applicable and any other charges to be paid to SCTIMST

including cost of electricity to be charged on actual at commercial rates, bidder to pay for all statutory levies/taxes /fee as charged by govt from time to time over and above quoted rent/licence fee.

Bidders should comply the following aspects before submission of tender:

1. Provision for IBS and outdoor pole network in the entire campus of SCTIMST
2. Bidder to invest in the entire CAPEX/OPEX for laying the infra structure including pole tower and neutral infrastructure.
3. Bidder to build and maintain multi operator and neutral discreet communications network
4. Bidder to watch and ward the installed equipmen/networking cables etc.
5. Depute required manpower for day to day maintenance and to attend complaints of end users and ensure uninterrupted services during the tenure.
6. Bidder to follow fire and EHs safety norms
7. Bidder to upgrade the technology as guidelines issued by Govt from time to time during the contract period and also in line with the technological advancement in the relevant field and in line with the performance criteria
8. Bidder responsible for the entire cost and risk of the project activity being taken up.
9. Bidder to be responsible for the operation, maintenance and housekeeping of provided telecom infrastructure to keep it in perfect operating condition with specified power uptime as provided in the agreement.
10. Bidder to obtain all local approvals to facilitate installation of the service providers equipment including frequency authorisation
11. Possibility of further extension for 5 years in lieu of 2 years after initial 5 years
12. Provision for suitable penalty matrix for rectification of defects caused to property of SCTIMST within specified period intervals including exponential penalty on licence at the rate of double the licence fee per month in the form of damage charges for unauthorised occupancy of the premises after expiry of the contract period or beyond the allocated area.
13. Rent to be given on the first day of each month in advance. That in the event of outstanding dues exceeds one month, the Authority may without prejudice to other rights and remedies be entitled to charge penal interest @ 12% per annum on delayed payment for the first month and thereafter @ 18% per annum for a maximum of two months. During this period, the Licensee shall be issued notice for clearance of outstanding dues. If the Licensee fails to clear the dues within the said period of 2 (two) months, the contract shall be terminated and the dues along with penal interest shall be adjusted from the Security Deposit, without grant of any extension whatsoever."
14. Uptime provision as per industry standard to be maintained by service provider failing which provision for penalty as applicable (to be defined)
15. At least 3 carriers operating in the region to be integrated within 6 months of award of work after which rent shall be charged based on 3 carriers integration irrespective of actual carriers integrated subject to rent on actual basis if more than 3 carriers integrated
16. Provision for termination for any illegal activity against the law of the land done by the contractor.
17. Liability arising out of the presence of IBS provider and of their operations shall be the sole responsibility of the IBS service provider only
18. Provision for SCTIMST to reject proposal if found unsuitable for any reason
19. Bidder to ensure that its equipment installations are as per manufacturers stipulated guidelines and the working team shall follow safe installation practices and that the infrastructure provider is responsible for the safety of its men, material, public/private property and third parties affected for any adversities.

20. Provision for maintenance of 5g service mode/ any latest technology developed from time to time in this regard.
21. Service to commence at least within 6 weeks from the date of LOA
22. Minimum EMD 1lakh or as applicable,
23. Bidder to be Regd and incorporated in India under the companies act 1956/2013. And has been in operation in India in the relevant field at least for 5 years
24. A minimum average turnover of Rs 100 cr/above (as found relevant) in the last 3 financial years with a positive net worth in the last 3 FY.
25. Bidder shall not be defaulted/debarred/blacklisted by any Govt/authorities/PSU/Public Enterprises for poor/bad performance delivery
26. Provide Valid proof of GST regn/PAN
27. Bidder shall not be from any restricted country sharing land border with India as per the relevant Govt of India guidelines issued . Or else should be regd with competent authority in India for bidding participation. So also in the case of any tOT arrangement with concerns of such country
28. Bidders should have minimum dedicated staff of 50 numbers at any point of time of operation and maintenance
29. Bidder shall agree to sign integrity pact
30. Technical details to be provided along with the bid
31. Bidder should have obtained ibs work order for at least 50000 sq ft area consisting of basement floors for single Govt building or 5 orders of minimum 1 lakh sq ft consisting of basement floors for each govt building
32. Minimum 5 years experience for providing IBS facility in public areas back from the date of issue of this bid (work order copy to be enclosed)
33. Bidder should have executed IBS work at least in 10 govt institutions in the last 5 years of this bid issue
34. Bidder to issue a n undertaking of not being insolvent /bankrupt/not being would up /in receiver ship/suspended its activities/operations/subject to legal proceeding thereon.
35. Financial bid should clearly mention the monthly rental as per operator basis and escalation provisions on yearly basis as applicable and any other charges to be paid to SCTIMST including cost of electricity to be charged on actual at commercial rates ,bidder to pay for all statutory levies/ taxes /fee as charged by govt from time to time over and above quoted rent/licence fee
36. Provision for bank guarantee and LD/Penalties for non performance/delayed support as applicable
37. Provision for force majeure and other usual relevant clauses as applicable

ANNEXURE – I

Service Level Agreement (SLA)

Technical Support

M/s.....will support and monitor its services up to the managed Customer Premise Equipment (CPE), 24 hours per day. The CPE shall consist of the Wi-Fi controller(s) and/or Access Points (APs) and /or any other equipment deployed on-site in SCTIMST, Medical College Campus by M/s A Support Ticket will be opened when M/s..... monitors a service degradation issue or SCTIMST reports network trouble to M/s.....'s Tech Support team via telephone (Ticket Open). End-user client devices (computers, phones, etc) and end-user support are not covered under this SLA.

Standard Managed IBS installation

Standard Installation includes wireless APs, controllers, antennas, and other hardware deployed by the service provided on-site in SCTIMST for providing Wi-Fi, Broadband, and In-building Solutions Equipments plus turn-up, testing, and basic network integration. M/s..... owns all equipment that it supplies to SCTIMST, except for that equipment which is specifically purchased by SCTIMST.

Access to Equipment

SCTIMST agrees to allow personnel of M/s..... reasonable access to SCTIMST's work site i.e. Sree Chitra Tirunal Institute for Medical Sciences and Technology, Medical College PO, Thiruvananthapuram for the purpose of installing, repairing, and removing equipment, after written consent from SCTIMST.

Performance Guarantees

The three guaranteed service performance metrics are:

1. Availability: 99.9% or greater network availability, determined on a monthly basis.
2. Support: 24x7x365 phone support and 24-hour response email support.
3. Proactive Notification: 24x7x365 proactive monitoring and customer notification of significant service-affecting issues. If the managed In-building Solution Services does not meet the performance guarantees then SCTIMST will be eligible for a service degradation credit as outlined below.

Credit for Service Degradation Credit eligibility for service degradation shall be determined wherever possible by 39 measurements from the Network Monitoring System of the contractor's managed CPE. Customer-provided data does not qualify for credit evaluation. Unless stated otherwise herein, SCTIMST's exclusive remedy for service degradation is repair of service and credit for the period of degraded service. Credit will be paid for service degradation as listed in the categories below. The sum of all credits in a month shall not exceed 100% of the total monthly billed revenue.

1. Availability:

Availability credits are for continuous periods of total loss of connectivity for the majority of Wi-Fi users/IBS users, as determined by uptime and bandwidth graphs/logs.

Credit will be paid if the elapsed time from Ticket Open to repair of service exceeds the following:

- a. Exceeding 60 minutes: 5% of monthly-billed site revenue.
- b. Exceeding 4 hours: 8% of monthly-billed site revenue.
- c. Exceeding 8 hours: 10% of monthly-billed site revenue.

Note: - Every subsequent 8-hour increment shall provide SCTIMST an additional 5% credit.

2. Support:

SCTIMST is eligible for a support credit if at any time they are experiencing a service-affecting network issue and they call appropriate number of times for phone support, select the NOC/Support option, and are unable to speak to a technician or engineer within 15 minutes. SCTIMST is also eligible for a credit if they send an email to the registered e-mail ID reporting a service-affecting issue and do not receive a response within 24 hours.

The credit will be as follows:

- a. 1 instance in a month: 5% of monthly-billed site revenue.
- b. 2 instances in a month: 8% of monthly-billed site revenue.
- c. 3 or more instances in a month: 10% of monthly-billed site revenue.

3. Proactive Notification:

SCTIMST is eligible for a proactive notification credit if any monitored CPE experiences an outage longer than 15 minutes and the customer is not notified within 30 minutes:

- a. 1 instance in a month: 5% of monthly-billed site revenue.
- b. 2 instances in a month: 8% of monthly-billed site revenue.
- c. 3 or more instances in a month: 10% of monthly-billed site revenue.

Note: Proactive Notification credit subject to customer providing accurate contact info.

BUM Traffic and DOS Attacks

Service degradation from Broadcast, Unknown-Unicast, and Multicast (BUM) traffic, or from Denial of Service (DoS) Attacks are excluded from this SLA and do not qualify for credits. BUM traffic is typically flooded on network segments and will cause performance impacts if utilized at high bitrates. DOS Attacks are purposeful and significant over-use of network resources and will cause performance impacts. If high-bit rate BUM traffic is required (such as for multicast video), the contractor's support/engineering team must be notified so an appropriate solution can be engineered and provisioned.

Maintenance

The contractor may occasionally need to perform network maintenance or upgrades that affect SCTIMST's managed service.

This maintenance will either be scheduled maintenance or emergency maintenance:

1. Scheduled maintenance will typically be performed outside of normal business hours; however equipment access, engineering support, and other factors will be considered when scheduling. SCTIMST will be notified of routine scheduled maintenance windows at least 3 days in advance. Urgent scheduled maintenance windows may require shorter notification periods.
2. Emergency maintenance may be performed at any time if service degradation is imminent or occurring. The contractor will attempt to notify SCTIMST of emergency maintenance as early as possible before the maintenance takes place, however there may be circumstances where the contractor is unable to notify SCTIMST prior to performing emergency maintenance. SCTIMST is not eligible for credit due to service degradation during scheduled or emergency maintenance.

Limitations

The contractor will incur no liability and issue no credits due to any causes beyond its reasonable control, including, but not limited to: RF interference, failure, lack of access to its equipment at SCTIMST's site, network/cyber attacks, extended power outages, acts of God, state of emergency, natural disasters, and non-compliance with the contractor's Acceptable Use Policy. Total revenue owed by contractor and not in dispute, after deduction of ten percent revenue share of SCTIMST and service degradation credits will be paid to the contractor quarterly by SCTIMST.

ANNEXURE II

LICENCE AGREEMENT

Agreement for Common Shared In Building Solution (IBS) for providing shared mobile coverage solution at SCTIMST, Hospital Block

THIS AGREEMENT made thisday ofof Two Thousand between the Director, Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Trivandrum, Institution of National Importance under Government of India, having its Office at Medical College Campus, Thiruvananthapuram Pin 695011a, hereinafter called the 'Authority' of the one part, andrepresented by of the other part, hereinafter called the 'Licensee' (which terms shall unless excluded by or is repugnant to the context, be deemed to include its heirs, representative, successors and assigns of the licensee)

WHEREAS the Authority is entitled in 'Law' to grant license at its SCTIMST for the purpose of Grant of License for Common Shared In Building Solution (IBS) for providing shared mobile coverage solution at Building(s) and Associated areas at SCTIMST, Medical College Campus so as to provide amenities and facilities to the patients and visitors and is in possession of space, more fully described in the schedule hereunder and in the plan annexed to this agreement, hereinafter referred to as the premises.

WHEREAS The Licensee is desirous to render the services to the Authority on the Terms & Conditions mentioned here under:

AND WHEREAS the Authority is agreeable to grant the license.

NOW, THEREFORE, this indenture witness:

1. That this license for the said facility shall be valid for the period of 05 years from _____ to _____ unless terminated earlier on account of following:

- (a) By giving 60 days' notice in writing from either side without assigning any reason.
- (b) Terminated by SCTIMST on a short notice on account of un-satisfactory performance.
- (c) Termination on expiry of the specified time period allotted for unresolved internal dispute resolution.

1 That in consideration, Licensee shall pay the Authority every month in advance by way of licence fee on the first day of the English calendar month.

2 That in addition to the above said license fee, Licensee shall pay all charges towards consumption of electricity and water as may be due as determined by the Authority and at the rate(s) fixed by it from time to time. Such charges shall be paid within the date (s) specified in the bill (s). The Licensee shall have to provide his own meter (s) for the purpose, failing which Licensee shall be billed on assessed consumption. In default of payment of said charges, the Authority may without prejudice to its other rights disconnect or cause to be disconnected the water and electricity supply to the said premises without any notice and the licensee shall not be entitled to any compensation whatsoever on account of any such disconnection.

3 That the Licensee shall pay all rates, assessments, out goings and other taxes as leviable on the Licensee in 'Laws'.

4 That the Licensee shall make payment of license fee etc. by cheque / demand drafts drawn on local banks. No outstation cheque shall be accepted in payment of license fee etc.

5 That in the event of failure to pay the license fee and other charges by due dates, simple interest @ 12% per annum be payable, as per SCTIMST credit policy, on all delayed payments without prejudice to the Authority's other rights and remedies

6 That the Licensee shall deposit a sum of Rs i.e. an amount equal to last 04 months license fee (3rd year) as Security Deposit in the form of Demand Draft/pay order/Bank Guarantee from a nationalised /Scheduled bank in favour of Director, SCTIMST, Thiruvananthapuram. In the event of the Licensee committing any breach of the terms & conditions of the license agreement, the Authority may without prejudice to other rights and remedies be entitled to forfeit/adjust the total amount of Security Deposit or any part thereof. In such an event he shall pay in the same manner as stated above such additional sum immediately as he may be called upon by the Authority to pay, so that the Security Deposit shall at all times during the continuance of these presents, be for the same amount. On the expiration or earlier determination of the license the Authority shall return the Security Deposit or part thereof which has not been forfeited as aforesaid, to him without interest.

7 That the Licensee shall deposit in cash/pay order Rs.50,000/-as Security Deposit towards Electricity/Water Charges.

8 That the Licensee shall equip himself with all necessary permits, licenses and such other permissions as may be required under the law in force at any time with regard to the operation of the subject license.

9 That the Licensee shall maintain such regular and proper account books along-with other supporting documents regarding sales affected by the Licensee in the said premises and said accounts/documents shall all the times be kept open for inspection by Authority in such manner as may be prescribed. The Licensee shall provide to the Authority, if so required by the Authority, statements of audited Accounts in such manner and within such period as the Authority may prescribe. Licensee shall be liable to share invoicing details live with SCTIMST.

10 That the Licensee shall have no right to object as and when the Authority decides to grant additional license for similar facility at the Airport premises where the Licensee is rendering such services.

11 That Authority shall provide bare space for the subject services and other expenses of any kind for establishment and rendering of the services shall be incurred by the Licensee. However, provisions of electricity, water and drainage connections, as the case may be, if so required, for the smooth operation of the services shall be provided by the Authority.

12 All the times during the currency of the license agreement, it shall be the responsibility of the licensee to obtain proper fire insurance coverage including theft and burglary in respect of all the movable and immovable assets stored or used in the licensed premises and authority shall not be responsible for any loss or damage caused to the licensee on any accounts whatsoever.

13 That Licensee shall operate the subject facility by charging the rate from users, as may be approved in advance by the Authority. Licensee shall exhibit the said approved charges at a conspicuous place inside the licensed premises.

14 That the Authority reserves to itself the right to change the location of the premises at any time and may at its discretion, call upon the Licensee to vacate the site and may give him an alternative premises for the purpose of this license. In such a case, the Licensee shall be bound to vacate the premises immediately and accept the said alternate premises. The entire expenditure on such shifting shall be borne by him and the licensee shall not be entitled to claim any compensation or revision in the license fee on that score.

15 The Licensee shall use the premises for the bona-fide purpose as provided in the Agreement, more particularly described in the enclosed schedule, for the use of all patients and bona-fide visitors to the Institute.

16 The Licensee shall not erect or display any advertisement or signboards except after obtaining the prior approval in writing of the Authority.

17 The Licensee shall not terminate the license before the expiry of the period of the license except by giving 60 days notice in writing , otherwise the Licensee shall be liable to pay to the Authority (without any demur or question) such amount of money as the Authority may decide as due to it by the Licensee. The license can be terminated by the Authority by giving 60 days notice in writing without assigning any reason thereto.

18 In the event of any default, failure, negligence or breach, in the opinion of the Authority on the part of the Licensee in complying with all or any of the conditions of the license agreement, the Authority will be entitled and be at liberty to determine the license forthwith and resume possession of the premises without payment of any compensation or damages and also forfeit in full or in part the amount deposited by the Licensee for due performance of Agreement.

19 The Authority and the Licensee further agree that they are bound by the General Terms & Conditions and Special Terms & Conditions of the Bid

Years Amount of monthly License Fee

1st

2nd

3rd

4th

5th

SIGNED BY _____ DIRECTOR, ON BEHALF OF SCTIMST

(SIGNATURE)

IN THE PRESENCE OF WITNESS:

1. _____

2. _____

SIGNED BY _____ FOR AND ON BEHALF OF _____

(SIGNATURE)

IN THE PRESENCE OF WITNESS:

1. _____

2. _____

ANNEXURE- III

FORM FOR DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST 07 (SEVEN) YEAR (I.e., till the date of Tender Submission)

Sl	Name of the Work/Project	Location	Owner or Organization	Cost of the work in Lakhs	Date of Commencement of contract	Stipulated date of completion	Actual date of completion	Litigation/Arbitration pending/ in progress with details	Contact person with mobile number
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- 1
- 2
- 3
- 4
- 5
- 6
- 7

(Authorized Signature of the Bidder with Seal)

ANNEXURE- IV

LIST OF NEAR RELATIVES EMPLOYED IN SCTIMST& SHALL BE SUBMITTED WITH TECHNICAL BID

S.No. Name Designation Relationship with tenderer(s) Place of Posting

SEAL &SIGNATURE OF LICENSEE

NB: 1. In case of NIL report Performa must be filled with nil report and submitted duly signed by Authorized Signatory.

ANNEXURE - V

Financial Bid (schedule of quantities)

Name of the Facility

Minimum

Reserved License Fees (MRLF)/Minimum Monthly Guarantee (MMG) (In INR) [Single operator]

Unit Quoted Rate

1 Licensing of space for the implementation of In-Building Solutions (IBS) on a turnkey basis for Providing Shared Mobile (Cellular) Coverage (2G/3G/4G/5G) in the suggested areas of the buildings in the hospital block of SCTIMST

Rs: /- for single operator

(exclusive of applicable taxes)

Total Amount (Including GST) Rs.

(Rupees _____ Only) (Including GST)

I, the Licensee certify that I am filling this template after understanding all the terms of schedule of Quantity of Bid No ____.

Name : _____

Address : _____

Mobile Number: _____

SEAL & SIGNATURE OF LICENSEE

Note:-

Highest quote/offer over and above MRLF shall be the important parameter for selection of highest bidder (H-1 bidder) .

Space/Land Rent for installation of equipment including space for installation of generator/ control room/ tower (at bare land/space) etc. is Rs.319 /- Per sqm per month.

License fee to be paid in advance first day of every month.

Security deposit to be paid within 15 days from the date of issuance of award letter.

ANNEXURE – VI

Technical Bid (Eligibility Criteria)

The scanned copies of the following mandatory documents are to be uploaded on the e-Tendering Portal in the following format.

S.N.	Particulars of documents	Whether uploaded (Yes/No)	If uploaded, Reference No
1	Details of the concern and legal status that is whether it is sole proprietor, partnership firm or a company under the Companies Act.		
2	Self-attested copies of the PAN Card, GST registration certificate. MSME registration etc. In case any or all the provisions mentioned above are not applicable, the party should give a declaration to that effect.		
3	Copies of (duly audited and certified by a chartered Accountant) Profit and Loss Accounts / Balance Sheet in any of the last 3 financial years of the sole proprietor concern or a partnership firm, Annual Report in case of a company as per companies Act. (As per the bid condition)		
4	Self-attested copies of Memorandum and Articles of Association in case of Companies and Partnership deed in case of firms and approved by-laws in case of co-operative societies.		
5	Copy of the receipt of the payment made towards EMD.		
6	Certified details of Gross Turnover (equivalent to 6 months value of MRLF i.e. 6 x RsMRLF value-) in any of the last 3 financial years out of which 50% of GTO should be from the relevant business for which the facility has been Tendered. The Turnover details should be certified by a Chartered Accountant. In case of multiple business of a company then the breakup of the turnover with the specific requirements of the tendered facility should be submitted duly certified by the Chartered Accountant.		
7	Details of similar work as experience (Annexure-III)		
8	Declaration of black listing or debaring by any Govt. of India department, any central or state public sector undertakings.(NIL statement to also be submitted)		
9	Declaration giving the details of outstanding dues (disputed /undisputed) settled or pending for payment as ordered by the court of law. (Nil statement to also be submitted)		
10	Copies of valid Registration Certificate for Infrastructure Provider by Ministry of Communications & IT Department of telecommunications		
11	The tenderer(s) shall give the list of his near relatives employed in SCTIMST(Annexure –IV)		
12	Tender document containing Notice Inviting Tender, Information and Instructions to the bidder, Scope of Work, General Rules and Directions, Special Terms & Conditions , Conditions for Electrical Works, Technical Specification, All annexures etc.		
13	Financial Bid (Annexure V)		

SEAL & SIGNATURE OF LICENSEE