



**TAMILNADU ARASU CABLE TV CORPORATION LTD
(TACTV)**

**தமிழ்நாடு அரசு கேபிள் டிவி நிறுவனம்
(A Government of Tamilnadu Undertaking)**



TENDER REFERENCE No.TACTV/3/Fire Suppression/2018

**TENDER FOR THE DESIGN, SUPPLY, INSTALLATION, TESTING
& COMMISSIONING OF AUTOMATIC FIRE DETECTION, FIRE
ALARM AND NOVEC 1230 GAS BASED FIRE SUPPRESSION
SYSTEM**

Date of Release of Tender	20.1.2018
Prebid Meeting	29.1.2018
Last Date for Submission of Bid	9.2.2018
Date of Opening of Bid	9.2.2018
Cost of Bid Document:	Rs.1000/-

Regd. Office: Dugar Towers, 34 (123) 6th Floor, Marshalls Road,
Egmore, Chennai - 600 008
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IMPORTANT NOTICE

This tender procedure is governed by the Tamil Nadu Transparency in Tenders Act, 1998 and the Tamil Nadu Transparency in Tender Rules, 2000 as amended from time to time. In case of any conflict between the terms and conditions in the tender document and the Tamil Nadu Transparency in Tenders Act, 1998 and The Tamil Nadu Transparency in Tender Rules, 2000 the Act and Rules shall prevail.

TENDER FOR THE DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF AUTOMATIC FIRE DETECTION, FIRE ALARM AND NOVEC 1230 GAS BASED FIRE SUPPRESSION SYSTEM

1.	PREAMBLE
<p>Tamil Nadu Arasu Cable TV Corporation Ltd (TACTV), a Government of Tamil Nadu undertaking, incorporated under the Companies Act, 1956 with an aim to provide high quality cable signals to the public through Local Cable Operators at an affordable cost. The service provided by the TACTV is welfare step taken by the Government in the interest of the public and Cable TV operators. The subscriber base of TACTV is around 70.52 Lakhs.</p> <p>TACTV has been granted the DAS Licence by Ministry of Information and Broadcasting, Government of India to operate as a cable TV MSO in Tamil Nadu and the Digital Cable TV services of TACTV in Tamil Nadu was inaugurated by Hon'ble Chief Minister on 1.9.2017.</p> <p>TACTV is providing Cable TV services in Digital mode all over Tamil nadu from its state of the Art Digital Head End at Chennai.</p> <p>TACTV proposes to install Automatic fire detection, Fire alarm and NOVEC 1230 Gas based Fire Suppression System in the Data Centre of TACTV at Chennai.</p> <p>In this context, TACTV invites sealed tenders from Manufacturers/Suppliers in "Two Cover System" for the design, supply, installation, testing & commissioning of Automatic fire detection, Fire alarm and NOVEC 1230 Gas based Fire Suppression System through transparent bidding process. The Tender notification has been published fixing the date of opening of tender as 9.2.2018.</p>	
2.	SCOPE OF WORK
<p>The scope of work would inter-alia involve the following:</p> <p>(a) Design, Supply, installation, testing & commissioning of Automatic fire detection, Fire alarm and NOVEC 1230 Gas based Fire Suppression System in the Head End of TACTV at Chennai. The detailed specifications are given in the Annexure-I.</p>	

(b) All the equipments / components / accessories should have a warranty period of 3 years from the date of issue of acceptance letter by TACTV after satisfactory completion of performance test.

3. QUALIFICATION CRITERIA

Clause	Qualification Criteria	Supporting Document
3(a)	The tenderer should be a registered legal entity in existence for a minimum of 5 years as on 31.12.2017.	(i) In case of Private / Public Limited Companies, <ul style="list-style-type: none"> • Copy of Incorporation Certificate issued by the Registrar of Companies • Copy of Memorandum and Articles of Association (ii) In case of Partnership Firm, <ul style="list-style-type: none"> • Registered Partnership deed (iii) In case of Proprietorship, <ul style="list-style-type: none"> • Copy of GST Registration Certificate
3(b)	The tenderer should be a manufacturer/authorized dealer of Original Manufacturer of Automatic fire detection, Fire alarm and NOVEC 1230 Gas based Fire Suppression Systems	(i) In case of Manufacturer, <ul style="list-style-type: none"> • Copy of Udyog Aadhaar/GST (ii) In case of Authorized dealer of the Manufacturer, <ul style="list-style-type: none"> • Letter of Authorization from the Original Manufacturer as per Annexure-IV. • GST Regn. Certificate
3(c)	The tenderer should have at least 5 years of experience (as on 30 th Jun 2017) in the business of supplying Automatic fire detection, Fire alarm and NOVEC 1230 Gas based Fire	Purchase Orders and Completion certificates issued by the clients

		Suppression Systems in India	
	3(d)	The tenderer should have successfully executed minimum 3 projects related to Design, Supply, Installation, Testing and Commissioning of NOVEC 1230 Gas based Fire Suppression systems in India in the last 3 years (as on 31.12.2017)	Purchase Orders and Completion certificates issued by the clients
	3(e)	The tenderer should have reported an Average Annual Turnover of Rs.2.00 Crores in the last three consecutive audited financial years i.e. 2014-15, 2015-16 and 2016-17.	(i) The average annual turnover statement duly certified by Chartered Accountant as per Annexure VI (ii) The Annual Report/ certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive financial years.
	3(f)	The tenderer should not have been blacklisted for supply of any items or services to TACTV or any other Government agency	The declaration form as per Annexure VII should be enclosed

4. LANGUAGE OF THE TENDER

The Tender prepared by the tenderer as well as all correspondences and documents relating to the Tender shall be in English language only. If the supporting documents are in a language other than English/Tamil, the notarized translated English version of the documents should also be enclosed. Tender received without such translation copy will be rejected.

5. PURCHASE OF TENDER DOCUMENTS

a) The tender document shall be obtained from Tamil Nadu Arasu Cable TV Corporation Limited (TACTV), 34 /123, 6th Floor, Dugar Towers, Marshalls Road, Egmore, Chennai - 600 008 on payment of

Rs.1000/- payable in the form of Demand Draft drawn on any Indian Nationalized/ Scheduled Commercial Bank in favour of "Tamil Nadu Arasu Cable TV Corporation Ltd" payable at Chennai or it can be downloaded from **www.tactv.in** and **www.tenders.tn.gov.in** at free of cost. For the downloaded tender document, the tenderer need not enclose the tender document cost but should give a declaration for not having tampered the Tender document downloaded (as per Annexure VIII).

b) The tender document can be purchased on all working days between 11.00 AM and 03.00 PM from 20.1.2018 to 8.2.2018.

6. PREBID MEETING

There will be a pre-bid meeting on 29.1.2018 at 03.30P.M. in the Head Office of TACTV, 34/123, 6th Floor, Dugar Towers, Marshalls Road, Egmore, Chennai - 600 008 during which the prospective tenderers can get clarifications about the tender. The tenderers shall send their queries in writing if any so as to reach TACTV at least two days prior to the pre-bid meeting date. The tenderers are advised to check **www.tactv.in** and **www.tenders.tn.gov.in** for up-to-date information like change in date / venue etc., of pre-bid meeting as TACTV may not be able to identify and communicate with the prospective bidders at this stage. Non attending of pre-bid meeting is not a disqualification.

7. CLARIFICATION ON THE TENDER DOCUMENT

Any discrepancies, omissions, ambiguities or conflicts in the tender document or any doubts as to their meaning and any request for clarification may be sent in writing to "The Managing Director, Tamil Nadu Arasu Cable TV Corporation Limited (TACTV), 34 /123, 6th Floor, Dugar Towers, Marshalls Road, Egmore, Chennai - 600 008" or through e-mail to tactv@tactv.in as per Annexure-IX. The Managing Director will review the same, and where information sought is not clearly indicated or specified in the tender document, will issue a clarifying bulletin to all those who have purchased the tender documents and will also upload such clarification on **www.tactv.in** and **www.tenders.tn.gov.in**. The Managing Director will neither make nor be responsible for any oral instructions. Request for clarification should be brought to the notice of the Managing Director, in writing, before 48 hours of the opening of the tender.

8.	AMENDMENT OF TENDER DOCUMENT
<p>TACTV whether on its own initiative or as a result of a query, suggestion or comment of an Applicant or a Respondent, may modify the tender document by issuing an addendum or a corrigendum at any time before the opening of the tender. Any such addendum or corrigendum will be communicated through mail to all the tenderers who had purchased the tender documents and also will be uploaded on www.tactv.in and www.tenders.tn.gov.in and the same will be binding on all Applicants or Respondents or Tenderers, as the case may be.</p>	
9.	AUTHORISATION OF THE TENDERER
<p>The Tender should be signed on each page by the tenderer or by the person who is duly authorized for the same by the tenderer.</p>	
10.	SUBMISSION OF TENDER IN TWO COVER SYSTEM
<p>(a) Every page of the terms and conditions of the tender document should be signed and enclosed with the tender, in token of having accepted the tender conditions. Failing which the tender will be rejected summarily.</p> <p>(b) Tenders should be submitted in two parts:</p> <ol style="list-style-type: none"> i. Part I will cover technical bid and ii. Part II will cover price bid <p>(c) Tenderers should ensure submission of all documents along with Part-I and Part II proposal as per the Check list given in Annexure - XII.</p> <p>(d) Tenderers are requested to submit Part I and Part II in a separate sealed cover superscripting as Part I and Part II respectively. These two Parts namely Part I and Part II must be placed in a separate sealed cover superscripted as "Tender for the design, supply, installation, testing & commissioning of Automatic Fire detection, Fire Alarm and NOVEC 1230 Gas based Fire Suppression System" and addressed to "The Managing Director, Tamil Nadu Arasu Cable TV Corporation Limited (TACTV), 34/123, 6th Floor, Dugar Towers, Marshalls Road, Egmore, Chennai - 600 008", containing the name and address of the Tenderer. Tenders submitted with unsealed cover would summarily be rejected.</p>	

- (e) Tenders should be dropped only in the tender box kept at "Tamil Nadu Arasu Cable TV Corporation Ltd.34/123, 6th Floor, Dugar Towers, Marshalls Road, Egmore, Chennai 600 008" on or before 3.00 PM on **9.2.2018**. Tenders will not be received by hand.
- (f) Alternatively, the tenders can be submitted through registered post so as to reach the above address on or before 3.00 PM on **9.2.2018**. Tenders received after the specified time will not be considered and TACTV will not be liable or responsible for any postal delays.
- (g) A tender once submitted shall not be permitted to be altered or amended.

11. EARNEST MONEY DEPOSIT

- (a) The Tender should be accompanied by an Earnest Money Deposit (EMD) to the value of Rs.50,000/- (Rupees Fifty Thousand only) in the form of a Demand Draft or Banker's cheque drawn on any Indian Nationalized/Scheduled Commercial Bank in favour of "Tamil Nadu Arasu Cable TV Corporation Limited", payable at Chennai. The EMD in any other form will not be accepted. The Earnest Money Deposit will be returned to the unsuccessful tenderers.
- (b) The Earnest Money Deposit will be retained in the case of successful tenderer and it will not earn any interest and will be dealt with, as provided in the terms and conditions of the tender.
- (c) Any request of the tenderer, under any circumstances claiming exemption from payment of EMD will be rejected and their Part II price offer will not be opened.
- (d) The amount remitted towards EMD is liable to be forfeited in case the tenderer fails to execute the contract after submission of the tender or after acceptance of the offer by TACTV or fail to sign the Agreement or to remit the Security Deposit.

12. VALIDITY

The rate quoted in the Tender should be valid for the acceptance by the TACTV, for a minimum period of **90 days** from the date of opening of the Tender. Escalation in the rates will not be entertained under any circumstances.

13. OPENING AND EVALUATION OF THE TENDER

- (a) The tenders received upto 3.00 PM as per the office clock on 9.2.2018 will be taken up for opening. Tenders received after specified date and time will not be accepted. The Tender will be opened by the Managing Director of Tamil Nadu Arasu Cable TV Corporation Limited or by the Person/Committee authorized by him at 3.30 PM on the same day in the presence of the available Tenderers/ representatives of the Tenderers who choose to be present. The Tenderers or their authorized agents are allowed to be present at the time of opening of the tenders.
- (b) The Managing Director of Tamil Nadu Arasu Cable TV Corporation Limited or Person/Committee authorized by him will inform the attested and unattested corrections, before the Tenderers and sign all such corrections in the presence of the Tenderers. If any of the Tenderers or agents not present then, in such cases the Person/Committee will open the tender of the absentee Tenderer and take out the unattested corrections and communicate it to them. The absentee Tenderer should accept the corrections without any question whatsoever.
- (c) If the date fixed for opening of the tender happens to be a Government holiday, the sealed tenders will be received up to 3.00 PM on the next working day and opened at 3.30 PM on the same day.
- (d) The Technical bid will be evaluated by the committee of TACTV in terms of the qualification Criteria. The committee reserves the right to disqualify any of the tender in case the Committee is not satisfied with the documents furnished, including the past performances.
- (e) TACTV may arrange for field inspection to verify their pre-qualifying conditions before opening of Part II cover and in case if any failure to satisfy the requirements, their Tender will be rejected and their Part-II Cover will not be opened.
- (f) The tenderers declared as qualified by the Committee, will be informed the date of opening of Part II (Price bid).

14. PRICE OFFER

	<p>(a) The Price bid should be kept only in the Part II cover.</p> <p>(b) The price bid should be prepared as per Annexure-XI.</p> <p>(c) The rate quoted by the tenderer shall be kept firm for a period specified in the Tender from the date of opening of the tender. Escalation of rate will not be permitted during the said periods or during any period while providing services whether extended or not for reasons other than increase of duties / taxes payable to the Governments in India within the stipulated delivery period.</p> <p>(d) The price should be neatly and legibly written both in figures and words.</p> <p>(e) In case of discrepancy between the prices quoted in words and figures lower of the two shall be considered.</p> <p>(f) Part-II bid should not contain any commercial conditions. Variation in the commercial terms and conditions of the tender will not be accepted.</p>
<p>15. EVALUATION OF THE PRICE</p>	
	<p>The price bid will be evaluated in accordance to the Tamil Nadu Transparency in Tenders Act 1998 read with the Tamil Nadu Transparency in Tenders Rules 2000, as given below:</p> <p>(a) The evaluation shall include State Goods and Service Tax, Central Goods and Service Tax and Integrated Goods and Service Tax and all central duties such as customs duty as a part of the price, as detailed below:</p> <p>(i) In evaluation of the price of an imported item, the price shall be determined inclusive of the customs duty.</p> <p>(ii) In the evaluation of the price of the articles which are subject to State Goods and Services Tax, Central Goods and Services Tax and Integrated Goods and Services Tax, the price will be determined inclusive of such State Goods and Services Tax, Central Goods and Services Tax and Integrated Goods and Services Tax.</p> <p>(b) The tenderer who has quoted the lowest rate for Design, supply, installation, testing & commissioning (SITC) of</p>

Automatic fire detection, Fire alarm andNOVEC 1230 Gas based Fire Suppression System will be adjudged as L1.

16. AWARD OF CONTRACT

- (a) The tenderer who is declared as L1 will be invited for negotiations for further reduction of price.
- (b) Upon finalization of negotiated rate, TACTV will issue the Letter of Acceptance (LoA) to the successful tenderer. The delivery period will be counted from the date of issue of the LoA.

17. SECURITY DEPOSIT

- (a) On receipt of the Letter of Acceptance from the TACTV, the successful tenderer should remit a Security Deposit (SD) of 5% of the contract value in the form of a Demand Draft or Banker's cheque drawn on any Indian Nationalized/Scheduled Commercial Bank or irrevocable Bank Guarantee with a validity period of six months in favour of "Tamil Nadu Arasu Cable TV Corporation Limited", payable at Chennai, within 10 (Ten) working days from the date of receipt of letter of acceptance. The EMD shall be adjusted with the security Deposit.
- (b) Any other amount pending with TACTV will not be adjusted under any circumstances, against the Security Deposit if so requested.
- (c) If the Security Deposit amount is not paid within the time specified, the EMD remitted by the tenderer shall be forfeited, besides cancelling the communication of acceptance of the Tender.
- (d) Security Deposit amount remitted will not earn any interest.

18. AGREEMENT

The successful tenderer should execute an agreement as may be drawn up to suit the conditions on a non-judicial stamp paper of value, as prescribed in law on the date of remittance of Security Deposit and shall pay for all stamps and legal expenses incidental thereto. In the event of failure to execute the agreement, within the time prescribed, the EMD/SD amount remitted by the tenderer will be forfeited besides cancelling the Tender.

19.	ISSUE OF WORK ORDER
<p>After payment of Security Deposit and successful execution of the agreement, Work Order will be issue to the successful bidder.</p>	
20.	WARRANTY
<p>(a) All the equipments / components / accessories should have a warranty and on site maintenance support of 3 years from the date of issue of acceptance letter by TACTV after satisfactory completion of performance test against manufacturing defects and bad workmanship solely by the successful bidder for all the equipments and accessories supplied through this tender.</p> <p>(b) The warranty will cover all the materials and goods supplied by the successful bidder under this contract irrespective of the fact whether these have been manufactured by the Bidder or not.</p> <p>(c) All equipments should be supplied to the designated location free from breakages, malfunctions and manufacturing defects. If any equipment is found defective, at the time and place of supply, it should be replaced.</p> <p>(d) If any manufacturing or other Technical defects are found within the specified warranty period, the same will have to be rectified or replaced free of cost within 24 hours.</p> <p>(e) During warranty period, the successful bidder should attend any call from TACTV, in case of any problems, related to operation or malfunctioning of equipments supplied. The above services should be done at free of cost.</p>	
21.	EXECUTION OF WORK ORDER
<p>(a) The specification of all the equipments / components / accessories should be as per Annexure-I and I(A).</p> <p>(b) The bidder should submit the detailed layout drawing of various equipment along with the dimensions, weight etc., power supply requirements, wiring diagrams etc. within 10 days of issue of the work order.</p>	

- (c) Supply, Installation Testing and Commissioning of Automatic fire detection, fire alarms and NOVEC 1230 Gas based Fire Suppression System should be completed within 4 weeks from the date of issue of work order from TACTV. Delay beyond this period will attract penalty.
- (d) If the contract is not completed within the stipulated time or extended time, TACTV will hold full authority to cancel the tender or take any such action that will be deemed fit to the occasion at the risk and cost of the successful tenderer. Such cancellation will entail forfeiture of EMD and Security Deposit.
- (e) In the event of non-performance of the contractual provisions or failure to effect the supply within the stipulated time or during the extended period and if it is found that the supplier, has not fulfilled the contractual obligation with TACTV in any manner during the currency of the contract or also found on later date, TACTV reserves the right to disqualify such supplier to participate in future tenders or black list the supplier up to a maximum period of 3 years.

22.	PERFORMANCE TEST
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- (a) The successful tenderer shall demonstrate the performance of the installed equipments / components/ accessories in complete conformity with the relevant technical specifications and performance parameters as specified in the Work Order.
- (b) This demonstration should be done as stipulated by the TACTV.

23.	PERFORMANCE BANK GUARANTEE
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- (a) The supplied equipments and its accessories are to be given warranty/maintenance support for a period of 3 years from the date of issue of acceptance letter by TACTV after satisfactory completion of performance test.
- (b) A performance bank guarantee equivalent to 10% of the contract value has to be submitted.
- (c) Upon the complete fulfilment of this contract including warranty period of 3 years, the performance security (bank guarantee) furnished by the tenderer will be released, after recovery of dues if any.

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24.	PAYMENT TERMS
	<p>(a) No advance is permissible.</p> <p>(b) 90% of the value of contract will be paid on successful completion of design, supply, installation, testing & commissioning of Automatic fire detection, Fire alarms, NOVEC 1230Gas based fire suppression system, submission of certificate specifically stating that the design & installation is in compliance with the prevailing National Building Code from the competent authority and on submission of invoice and after acceptance by the authorized Person/Committee nominated by TACTV.</p> <p>(c) The balance 10% and SD will be paid after submission of bank guarantee equivalent to the above amount valid for 3 years towards performance guarantee.</p> <p>(d) For operation and maintenance, payment will be made proportionately on quarterly basis after satisfactory completion of maintenance for the respective quarter.</p> <p>(e) TACTV also reserves the right to recover any dues from the tenderer, which is found on later date, during audit/excess payment, after final settlement is made to them. The tenderer is liable to pay such dues to the TACTV immediately on demand, without raising any dispute/protest.</p>
25.	PENALTY
	<p>(a) Failure to comply with the stipulated timeline will attract a penalty of 1% per week upto a maximum of 5% of the total contract value. Delays beyond that period will result in cancellation of the orders.</p> <p>(b) The response time for attending the complaint raised by TACTV has to be within 24 hours and resolution time for the same has to be within the next 48 hours. Failure to comply with the above time line will attract a penalty of Rs.1000 per day.</p> <p>(c) Failure to perform periodical inspections in a year at three-month intervals during the warranty period as per clause - 4 of Annexure-I will attract a penalty of Rs.25,000/- per incident.</p>

26.	TERMINATION OF CONTRACT
<p>TACTV reserves the right to terminate the contract at any time during the validity period on account of non-fulfillment of contract or any of the reasons.</p>	
27.	GENERAL CONDITIONS
<ul style="list-style-type: none"> (a) Conditional tender in any form will not be accepted. (b) TACTV reserves the right to relax or waive or amend any of the tender conditions. (c) The right of final acceptance of the tender is entirely vested with TACTV and TACTV reserves the right to accept or reject any or all the tenderer in part or in totality or to negotiate with any or all the tenderers or to withdraw/ cancel/ modify this tender without assigning any reason whatsoever. (d) After acceptance of the tender by TACTV, the tenderer will have no right to withdraw his tender. (e) Any notice regarding any problems, to the tenderer shall deemed to be sufficiently served, if given in writing at his usual or last known place of business. (f) In the course of discussion and instruction TACTV may disclose information of confidential and proprietary nature relating to its products, knowhow, to the tenderer. Such information shall be considered as confidential. 	
28.	ARBITRATION
<ul style="list-style-type: none"> (a) In case of any dispute in the bid, including interpretation if any on the clauses of the bid or the agreement to be executed, the matter shall be referred by the TACTV/ tenderer to an Arbitrator who shall be selected by the tenderer from the panel of Arbitrators approved by TACTV and communicate the same within 15 days, from the date of receipt of the letter from the TACTV along with the panel. If there is no reply from the tenderer within 15 days, TACTV shall choose any of the Arbitrators from the panel of Arbitrators referred to above. The remuneration for the Arbitrator and other expenses shall be shared equally by TACTV and the tenderer. 	

- (b) The venue of the Arbitration shall be at the Head office of the TACTV, Chennai. The decision of the Arbitrator shall be final and binding on both the parties to the Arbitration.
- (c) The Arbitrator may with the mutual consent of the parties, extend the time for making the award. The award to be passed by the Arbitrator is enforceable in the Court at Chennai city only.

29. JURISDICTION OF THE COURT

Any dispute arising out of non-fulfillment of any of the terms and conditions of this Agreement or any other dispute arising out of the arbitration award will be subject to the jurisdiction of the Courts in the City of Chennai only.

We agree to the above terms and conditions.

SIGNATURE OF THE TENDERER:

DATE:

NAME IN BLOCK LETTERS:

DESIGNATION:

ADDRESS:

ANNEXURE-I

Project Details

1) Data Center:

The Data Centre is located at the first floor of 11/22, Mangadusamy Street, Nungambakkam, Chennai -34. **Interested Bidders are advised to visit the Site after getting prior permission from TACTV to assess the exact requirement and estimate. TACTV will not accept any changes after finalization of the Bid.**

The Floor Plan of the Data Center is given below:

DATA CENTRE (First Floor):

Dimensions:

Control Room inside (equipments, Racks)	20.5 ft x 33 ft
UPS Room	10.33 ft x 10.25 ft
AC room	17 ft x 9 ft
Electrical Gear Room	14.58 ft x 10 ft
	9 ft x 3.17 ft

2) The system offered should have the following features:

- (a) Proposal should be for the complete system on **SITC** basis. Incomplete or part component supply will not be considered. The tenderers will be responsible for installing all the systems offered by them.
- (b) Proposal should carry firm solution and the cost of optional equipment or features shall be quoted separately.
- (c) The system design should have provision for future up-gradation.
- (d) The system should be provided with Automatic Fire Alarm Panel, smoke and heat detectors, Manual Call point, External Hooter, Armoured cable wiring etc.
- (e) The Fire Suppression System should be suitably interfaced to the proposed smoke detector and fire alarm panel in the Data Centre.

3) Deliverables

- (a) The sub systems and its components shall comply with the specifications provided as per Annexure-I and I(A).
Necessary resources will have to be provided by the bidder for carrying out these tests.
- (b) Two sets of the following documents should be submitted:
 - System block diagram
 - Equipment product data sheets
 - Operations Manual and installation details
 - Invoice & Delivery Note / Order copies
 - Test Reports copy conducted during the installation of the system
 - Onsite training of TACTV staff in operations
 - Maintenance manual should contain the following:
Descriptions of maintenance for all equipment including inspection and its methods, periodic preventive maintenance with the procedure to be adopted, fault diagnosis and repair or replacement of defective components.

4) Preventive Maintenance

The Bidder should perform four periodical inspections in a year at three-month intervals during the Three years of warranty period. These inspections will include

- (a) Visual checks, Operational Test of all the hardware units.
- (b) Perform diagnostics on all equipment
- (c) Run system software and correct the diagnosed problem
- (d) Resolve previous outstanding problems, if any
- (e) Submit a report on the above and any other relevant tasks

5) Annual Maintenance Contract

The Bidder agrees to maintain the equipment and systems supplied in such a way to ensure the continued use during the AMC period after completion of the warranty period of 3 years.

- **Entering into AMC after the warranty period will be at the sole discretion of TACTV.**
- AMC in this contract shall include cost of replacement of defective equipment/parts, etc., and cost of required

experts (including their travel and stay) for troubleshooting etc.

- The Bidder agrees to provide comprehensive maintenance of the installed systems in full that shall include preventive maintenance and corrective maintenance on site.
- TACTV reserves the right to terminate the AMC in the event of unsatisfactory maintenance and claim damages for non-fulfillment of contract.
- All clauses and conditions in Warranty will hold good during post-warranty AMC.

6) Spares

Necessary critical spares required for the maintenance of the equipment offered should be quoted by the bidder separately. A complete recommended spare list with quote should be offered, along with the bid.

7) Training

The Bidder should impart on-site training to the staff nominated by TACTV. It shall also include hands on training.

8) Operation and Maintenance of Gas based Fire Suppression system

The Bidder or the System Integrator should run the System at the Head End for a period of one month from the date of commissioning and train the TACTV staff.

- An agreement for the operation and maintenance will be signed up with the successful bidder/bidders if required.
- TACTV expects full and honest cooperation in this regard.

ANNEXURE - I (A)
Scope of Supply & Technical Requirements

- 1. Location:** Nungambakkam, Chennai
- 2. Project:** Gas based Fire Suppression systems
- 3. Details of the room, where Fire Suppression Systems to be provided**

S.No	Room Description	Length	Breadth
1.	Server Room (First Floor)	20.5ft	33 feet
2.	UPS Room(FF)	10.33ft	10.25ft
3.	A.C. Room(FF)	17 ft	9 ft
4.	Electrical Gear Room(FF)	14.58ft 9 ft	10 ft 3.17ft

4. Automatic Fire detection, Alarm and Gas based Fire Suppression Systems: Technical Requirements

4.1. General

The bidder shall design, supply, install, test and put in operation Automatic Fire detection, Alarm and NOVEC 1230 Gas based fire suppression system. **The design & installation should be as per National Building Code and the tenderer should submit a certificate from the competent authority specifically stating that the design & installation is in compliance with the prevailing National Building Code.**

4.2. Addressable Fire Alarm System

The scope of the work includes Design, Supply, Installation, Testing and commissioning of Addressable Fire detection cum Alarm System with Central Monitoring System. This shall conform to relevant latest standards for Fire Alarm Systems.

4.3. Fire Alarm Control Panel

- (a) This will be a microprocessor based panel, which shall be connected to various detectors /devices by means of wire loops.
- (b) The fire alarm panel shall be able to supervise individual detectors for proper performance as well as to give pinpoint location of fire alarm.
- (c) The panel shall also have the facility for automatically dialing select phone numbers in case of fire.
- (d) The panel shall have hooter alarm.

4.4. Loop

- (a) The loop shall mean a 2 wire circuit connecting addressable detectors (as per design requirement) and addressable modules (as per design requirement).
- (b) The loop cards shall be of modular construction.

4.5. Addressable Devices

This indicates the complete group of addressable devices such as detectors, manual call stations, addressable output/input modules

4.6. Detectors

- (a) The detector shall be analog address type.
- (b) The Chamber should be easily removable for the purpose of easy maintenance.
- (c) The address programming shall be done from the Fire Alarm Control Panel.
- (d) The detector shall have a common base to allow easy interchange of various types of detectors.

4.7. Manual Call Station

- (a) The Manual call station shall be addressable type with input modules to define device/location.
- (b) The manual call station shall be breakable type with suitable protection and base box.

4.8. Sounders :

- (a) The sounders shall be of addressable type/connected by addressable module /panel.
- (b) The sounders shall derive power from separate cable with voltage adapter/panel.
- (c) It shall be possible to directly mount on the wall /ceiling.
- (d) The sounder shall be programmed to get activated in the event of an alarm from a single detector or a group of detector/devices.

5. Fire Alarm Systems

- (a) The Fire Alarm System shall give Audio/Visual Alarm signals when the temperature (in case of heat detector) or smoke density exceeds the pre-set limit.
- (b) The system shall give pin point location of fire with warning systems.
- (c) The system shall have a microprocessor –based control and monitoring facility.
- (d) It shall be possible to program each loop with up to minimum 30 addressable detectors and 30 addressable modules.
- (e) The System shall be fully supervised for all fault conditions with distinctive alarm operated for fault and fire conditions.
- (f) Test buttons and software features shall be provided to test the electronic circuits and detector health.
- (g) In case of Fire in an area handled by the fire suppression systems, the fire alarm control panel shall be able to actuate the fire suppression system.

5.1 Fire Alarm Control Panel

- (a) The Fire alarm control panel shall be a microprocessor based fully addressable control unit with centralized monitoring , which shall control all addressable detectors , manual call stations and switching systems (for actuating the fire suppression systems).
- (b) All addressable units shall be connected to the Fire alarm control panel through loop cards and shall be addressed through individual members.

- (c) The fire alarm control panel shall be able to analyze all inputs from all addressable units through its own software and the fire alarm control panel shall be able to identify fire, possible fire or fault conditions. The unit supervision must be dynamic and continuous.
- (d) The fire alarm control panel shall also give adequate warning signal, whenever there is dust accumulation in detectors.
- (e) Short/Open circuit fault shall also be reported at the fire alarm control panel.
- (f) The fire alarm panel shall have the facility to set each smoke sensor sensitivity.
- (g) When an alarm condition is sensed at the Fire alarm control panel from a smoke or heat detector, a delay time/alarm verification period shall be started. If the sensor is still in alarm, after delay time expires, an alarm condition is reported.
- (h) Programming functions shall include alarm/trouble type assignment, alarm message assignment etc.
- (i) Programming shall be from Fire control panel keyboard or laptop/desktop computer with software.
- (j) The Fire alarm panel shall have LCD Display of Alphanumeric Type.
- (k) The fire alarm panel shall be able to carry out continuous self monitoring under normal conditions.
- (l) The Fire alarm control panel shall have interface to printer, which shall log all events.
- (m) The software must be user friendly and the fire alarm panel shall be TCP/IP, so that it can be monitored from any remote location.
- (n) The fire alarm panel shall have battery backup.
- (o) The fire alarm panel shall be totally enclosed and dust proof.
- (p) The system shall be designed such that it shall be possible to add at least 20% of the detectors for future expansion.
- (q) The fire alarm control panel shall have provision for interfacing with the Public Address system.

6. Addressable Detectors

6.1 Multi sensor Detector

- (a) All the detectors must be fitted with Plug-in system type.
- (b) The detector shall have a Multisensor type integrating photoelectric smoke and fixed temperature heat sensing technology.
- (c) It shall be possible to use a single detector type for both the above and below false ceiling applications.
- (d) The detector shall be suitable protected against dust accumulation/ingress.
- (e) The coverage per smoke detector shall strictly follow relevant standards.

6.2 Heat Detector

- (a) The heat detector will go into the alarm mode, when the temperature reaches 34 degree C in normal course.
- (b) The heat detector shall be Analogue addressable type and shall send signals to the fire alarm control panel.
- (c) The LED on the detector shall blink each time, the sensor is scanned by the fire alarm panel.

6.2.1 Manual Call Stations

- (a) The manual call station shall be breakable type with suitable protection and base box. The device shall be Red in color and suitable for surface or Flush mounting.
- (b) The manual stations shall be interfaceable to an addressable input module.

6.2.2 Sounder

- (a) The Sounder shall be addressable electronic type and shall give discontinuous /intermittent audible alarm whenever any detector operates.
- (b) The Sounder shall be powered from Main fire alarm control panel.

7. NOVEC 1230 Gas based Fire Suppression Systems

The fire suppression system shall include and not be limited to gas release control panel, PESO approved seamless cylinders, discharge valve (with solenoid or pneumatic actuator) as the case may be, discharge pipe, check valve and all other accessories required to make a complete operation system meeting applicable requirements of NFPA 2001 standards and installed in compliance with all applicable requirements of the local codes and standards.

The system design should be based on the specifications contained herein, NFPA 2001 and in accordance with the requirements specified in the design manual of the agent. The bidder shall confirm compliance to the above along with their bid.

The system shall be properly filled and supplied by an approved OEM (Original Equipment Manufacturer).

Generally the key components like **valves and its accessories, actuators, flexible discharge and connection hoses, check valves, pressure switch, and nozzles** of the system shall be FM/UL listed. The **NOVEC 1230** gas shall

- (a) Comply with NFPA 2001 standard.
- (b) Have the approval from US EPA (Environmental Protection Agency) for use as a total flooding fire extinguishing for the protection of occupied space.
- (c) Be given Underwriters' Laboratories Inc. (UL, USA) component listing for the **NOVEC 1230** gaseous agent.
- (d) Be efficient, effective and does not require excessive space and high pressure for storage.
- (e) Must have Zero Ozone Depletion Potential (ODP).
- (f) Have a short life span in the atmosphere, with atmosphere life time of less than 5 days.
- (g) Commercially available

The gas release panel to be available in redundant and be capable for integration to FAS.

7.1 Design Condition

- (a) The tenderer shall consider simultaneous total flooding of all voids within the protected volume. The system shall be designed in accordance with the OEM's Design Manual.
- (b) In order to extinguish a fire using clean agent, the concentration of agent delivered to each void shall be above the minimum design concentration. The following shall be considered while designing the system.
- (c) The minimum design concentration shall be 4.2%/ 4.7%/ 7% (NFPA Class C).
- (d) If the protected volume has a floor and / or ceiling void the spaces shall be included in the protected volume, employing a minimum design concentration not below that of the main room compartment.
- (e) The discharge nozzles shall be located within the protected volume in compliance to limitations and with regard to spacing, floor and ceiling coverage, etc. The nozzles shall be positioned such that they would cover the entire area up to the extreme corners of the area under protection and the design concentration will be established in all parts of the protected volumes.
- (f) The final numbers of discharge nozzles shall be according to the OEM's product manual.
- (g) The average pressure at each nozzle shall not be less than 6.034 Bar.
- (h) The gas flow calculations shall be carried out on special software given by the OEM. The software should support usage of seamless cylinders which have a different design compared to the standard containers used worldwide. The system acceptance report shall show the resulting concentration in each independent void to be above 4.7% and the average pressure at each nozzle to be not less than 6.034 Bar.
- (i) The agent discharge time shall not exceed 10 seconds and not less than 5 seconds.
- (j) The design concentration shall follow at minimum NFPA 2001 for under floor, room and ceiling space. Unless otherwise approved, room temperature for air-conditioned space shall be

taken around 20°C. For non-air conditioned space, the temperature shall be taken around ambient temperature. The system shall be designed with minimum design concentration of 4.2%/ 4.7%/ 7% as applicable to Class C fire.

- (k) The system engineering company should carry out the piping Isometric design and validate the same with a hydraulic flow calculation generated by using the agent's design software.
- (l) Appropriate fill density to be arrived at based on the same.
- (m) The system shall be so designed that a fire condition in any one protected area shall actuate automatically the total flooding of clean agent in that area independently. The entire system shall incorporate inter-alia detection, audible and visual alarms, actuation and extinguishing.

7.2 System Components

7.2.1. Cylinder

- (a) Each cylinder shall be seamless steel type manufactured from billets and tested in accordance with IS 7285 / BS 5045 standard and approved by PESO.
- (b) The cylinder/valve assembly shall have suitable metallic protection for the valve enabling transportation of the filled cylinders safely.
- (c) The cylinders shall be super-pressurized with dry Nitrogen to 25 bar. The cylinder shall be capable of withstanding any temperature between -30° C and 70° C.
- (d) All cylinders shall be distinctly and permanently marked with the quantity of agent contained, the empty cylinder weight, the pressurization pressure and the zones they are protecting.

7.2.2. Cylinder Valve

- (a) The Valve assembly shall be mounted directly on the cylinder and should NOT have any adaptor provision between the cylinder and Valve as per requirements of PESO. Cylinders with Adaptor between Valve assembly shall be rejected as it is a violation of the PESO norms.

- (b) Each cylinder valve shall have a provision for fixing a supervisory pressure switch and a safety burst disc to protect the cylinder from over pressure. The cylinder valve shall have a disabling plug to prevent accidental discharge of the valve during transportation and installation.
- (c) Each valve is to be fitted with a pressure gauge for monitoring loss of pressure.
- (d) The master cylinder valve is to be released electrically which is performed by means of a solenoid valve arrangement. Pilot cylinder actuation and pyrotechnic devices shall not be used.

7.2.3. Cylinder valve Actuators

- (a) In a single cylinder system the cylinder shall have a solenoid operated actuator and a manual actuator incorporating a strike knob mounted on top of the solenoid operated actuator. Multi cylinder systems shall have the same fitted on to the master cylinder and pressure operated actuators fitted on each slave cylinder. All actuators shall be original.
- (b) OEM make and locally manufactured actuators shall not be used.

7.2.4. Hoses

Each cylinder valve shall be provided with a plug in type flexible rubber discharge hose of minimum 40mm size with a test pressure of 52 Bar. Each hose shall be permanently marked with the test pressure and OEM's part number. Multi cylinder systems shall have an interconnect hose for each cylinder. All hoses shall be original OEM make and locally manufactured hoses shall not be used.

7.2.5. Manifold with Check valve

The manifold shall be fabricated from ASTM A106 Schedule 80 seamless pipe and shall have integral check valves provided for each cylinder. The Manifold shall preferably be supplied by the original equipment manufacturer instead of fabricating the same at site.

7.2.6. Re-Filling and Maintenance

In case of any leakage or accidental discharge of the agent, it should be possible to re-fill the cylinders from a valid PESO approved OEM filling station in India itself. The contractor should indicate the source of re-filling and the time that will be taken for re-filling and replacement.

7.2.7. Piping and Fittings

All piping shall be ASTM A-106, Grade-B, Schedule 40 seamless pipes and all fitting shall be of ASTM A-105.

7.2.8. Discharge Nozzles

Discharge Nozzles shall be manufactured in corrosion resistant material and shall be positioned in a manner to effect a uniform concentration at the shortest time after discharge. Each nozzle shall cover a distance of 5 mtr.

7.2.9. Documentation

- (a) The bidder should prepare and submit the piping isometric drawing and support with hydraulic flow calculation. The bidder shall submit copies of datasheets of the hardware used in the system.
- (b) The bidder shall also submit the calculations to evidence the qty of agent considered for the system.
- (c) The bidder should provide, as part of the handing over, the as built drawings and Operation & Maintenance manual.

ANNEXURE - II
PART-I

Date: _____

From,

Name:

Address:

Ph:

Fax:

E-mail:

To,

The Managing Director,
Tamilnadu Arasu Cable TV Corporation Limited (TACTV),
34 /123, 6th Floor, Dugar Towers, Marshall's Road,
Egmore, Chennai - 600 008

Sir,

Sub: _____ - Submission of Part I - Reg

Ref: Your Tender Notice Dt

With reference to your tender notice, we submit herewith our sealed Tender for the design, supply, installation, testing & commissioning of Automatic Fire detection, Fire Alarm and NOVEC 1230 Gas based Fire Suppression System as specified by TACTV in this tender document.

We enclose the following documents:

- 1) Tender conditions duly signed in each page
- 2) Demand Draft no. _____ for Rs.50,000/- (Rupees Fifty Thousand only), in favour of "Tamil Nadu Arasu Cable TV Corporation Limited", Drawn on _____ Bank payable at Chennai, towards Earnest Money Deposit.
- 3) Authorization letter from the Company for the person to sign the tender.
- 4) Details of the Tenderer (as per Annexure-III).
- 5) Letter of authorization from the original manufacturer -OEM(as per Annexure-IV).
- 6) Bill of Materials (as per Annexure-V).
- 7) Average annual turnover statement duly certified by a Chartered Accountant (as per Annexure-VI).

- 8) Declaration for not having black listed either by TACTV or by any other Govt. agencies (as per Annexure-VII).
- 9) Declaration for not having tampered the Tender documents downloaded from the websites www.tactv.in and www.tenders.tn.gov.in (Annexure-VIII).
- 10) The copy of certificate of incorporation/registration.
- 11) Copy of Memorandum and Articles of Association.
- 12) Copy of Registered Partnership deed, in case of Partnership Firm.
- 13) Purchase Orders and completion certificates issued by the clients
- 14) The Annual Report / certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive audited financial years 2014-15, 2015-16 and 2016-17.
- 15) Copy of Registration certificate under GST Act.
- 16) Copy of PAN allotment Certificate/ PAN CARD issued by Income Tax Department.
- 17) Latest I.T return.
- 18) Notarized translated English version of the documents in a language other than English/Tamil, if any.

Yours faithfully,

SIGNATURE OF THE TENDERER

Encl: As stated above

**ANNEXURE - III
DETAILS OF THE TENDERER**

S.No.	Particulars	Description/ Details	Reference Documents
A	Name of Bidder		-
B	Contact Details		
	Address		
	Telephone No.		
	Fax		
	Email		
	Website		
C	Incorporation Details		Certified copy of incorporation under Indian Companies Act, 1956
	Incorporation Number		
	Date of Incorporation		
	Authority		
D	Registration Number under GST		Certified copy of Registration certificate under GST
E	Legal Status	Proprietorship/Partnership/Pvt. Limited/Public Limited/others (Pl. mention)	
F	Name of Authorized Signatory		Authorization letter from the Company for the person to sign the tender
	Designation		
	Telephone		
	Fax		
	Mobile		
	Email		
G	Number & Address of Offices in India		

ANNEXURE - IV
LETTER OF AUTHORIZATION FROM THE ORIGINAL
MANUFACTURER (OEM)

To
The Managing Director,
Tamil Nadu Arasu Cable TV Corporation Ltd.,
Dugar Towers, 6th Floor,
No.34/123, Marshalls Road, Egmore,
Chennai – 600 008.

Sir,
We hereby authorize M/sto undertake to submit a Bid, and subsequently negotiate and sign the contract with the TACTV against Tender No: _____ for the (type the Description of goods) developed by us. We hereby extend our full warranty for the goods offered for supply by the above company against this tender.

We also undertake to provide timely supplies as per terms of tender and as agreed mutually and also to provide a trouble free and continuous support either directly or through our authorized partners under our supervision during the said support period.

For this tender we authorize M/s. _____ (Complete address and full contact details of the partner) to be our sales and service partner. In the event of discontinuation of supply and service by our partner or any problem arises during provision of supply and services, the entire responsibility to provide trouble free and continuous supply and services to the end user rests with us and we undertake to provide supply and services directly or through our alternative sales / service partners.

In case of violation of any of the conditions above, I/We understand that I/We are liable to be blacklisted by TACTV for a period of three years.

(Signature for and on behalf of Principal)

NOTE: COMPETENT AUTHORITY OF THE MANUFACTURER SHOULD ISSUE THE LETTER OF AUTHORIZATION INDIVIDUALLY FOR EACH TENDERER SEPARATELY.

ANNEXURE - V

BILL OF MATERIALS

The bidder should list detailed bill of materials for all the items and sub-items offered as per the following format

S.No.	Description	Quantity
1.		

ANNEXURE - VI

ANNUAL TURN OVER STATEMENT

The Annual turnover of M/s
for the past three years are given below and certified that the statement
is true and correct.

S.No.	Year	Turnover (Rs. in lakh)
1	2014-2015	
2	2015-2016	
3	2016-2017	
	Total	
Average annual turnover		

Note: Average Turnover of any three consecutive audited financial years
will be considered i.e. FY 2014-15, 2015-16 and 2016-17.

DATE:

SIGNATURE OF THE TENDERER

**SIGNATURE OF CHARTERED ACCOUNTANT
(with seal and Address)**

ANNEXURE - VII

CERTIFICATE

Date: _____

Certified that M/s...../ the firm /company or its partners / share holders had not been blacklisted by Tamilnadu Arasu Cable TV Corporation Limited (TACTV), or by any Government Agencies.

**SIGNATURE OF THE TENDERER
(with seal and address)**

ANNEXURE - VIII

DECLARATION FORM

Date: _____

a) I/We having our office at do declare that I/We have carefully read all the conditions of tender sent to me/us by theTamilnaduArasu Cable TV Corporation Limited (TACTV), for the tenders floated vide tender ref.no._____ for the design, supply, installation, testing & commissioning of Automatic Fire detection, Fire Alarm and NOVEC 1230 Gas based Fire Suppression System and complete the contract as per the tender conditions.

b) I/We have downloaded the tender document from the internet site www.tactv.in /www.tenders.tn.gov.in and I /We have not tampered / modified the tender document in any manner. In case, if the same is found to be tampered / modified, I/ We understand that my/our tender will be summarily rejected and full Earnest Money Deposit will be forfeited and I /We am/are liable to be banned from doing business with TACTV or prosecuted.

**SIGNATURE OF THE TENDERER
(with seal and address)**

ANNEXURE- IX

CLARIFICATION ON TENDER DOCUMENT FORMAT

BIDDER'S REQUEST FOR CLARIFICATION			
Name and Address of the Company submitting request		Name and Position of Person submitting request	Contact Details of The Company / Authorized Representative
			Tel:
			Fax:
			Email:
S. No	Reference(s) (Section, Page)	Content of Tender requiring Clarification	Points of clarification required
1			
2			
3			

**SIGNATURE OF THE TENDERER
(with seal and address)**

ANNEXURE - X

PART-II

From,

Name:

Address:

Ph:

Fax:

E-mail:

To,

The Managing Director,
Tamilnadu Arasu Cable TV Corporation Limited (TACTV),
34 /123, 6th Floor, Dugar Towers, Marshall's Road,
Egmore, Chennai - 600 008

Sir,

Sub: Tender for the design, supply, installation, testing & commissioning of Automatic Fire detection, Fire Alarm and NOVEC 1230 Gas based Fire Suppression System – Tender No:TACTV/3/Fire Suppression/2018-Submission of Part - II - Price Offer-Reg.

Ref:- Our tender (Technical Bid) submitted for “the design, supply, installation, testing & commissioning of Automatic Fire detection, Fire Alarm and NOVEC 1230 Gas based Fire Suppression System”

In continuation of our above tender, we submit herewith the price offer for “the design, supply, installation, testing & commissioning of Automatic Fire detection, Fire Alarm and NOVEC 1230 Gas based Fire Suppression System” as specified by TACTV in this tender document. We agree to abide by the terms and conditions stipulated by the TACTV and also agree to complete the entire contract, at the rates quoted by us. The rate quoted and approved by the TACTV in this tender will hold good as per TACTV tender conditions.

Yours faithfully,

SIGNATURE OF THE TENDERER

ANNEXURE - XI

Tender No:TACTV/3/Fire Suppression/2018

1. PRICE BID (Table-A)

Description	Basic price (Rs.)	Customs Duty % and amount (Rs.)	GST % and amount Rs.	Others (Rs.)	Total (including Duties and Taxes) (Rs.)
Consolidated charges for Design, Supply, installation, testing & commissioning of Automatic fire detection, Fire alarm and NOVEC 1230 Gas based Fire Suppression System as per Annexure-I and Annexure-I(A)					

Amount in words: only.

2. ANNUAL MAINENANCE COST (Table-B) - OPTIONAL

Cost Details				Rs.
Period	% on Table-A	Amount (X)	Taxes if any (Y)	(X)+(Y)
4 th year				
5 th year				
6 th year				

Note: 1. Placing of order for AMC is at the discretion of TACTV Corporation.
2. Selection of Lowest (L1) Bidder will be decided based on the rate quoted for Table-A.

**SIGNATURE OF THE TENDERER
(with seal and address)**

ANNEXURE - XII
CHECKLIST OF DOCUMENTS

Documents to be enclosed in Part-I:

S.No.	Checklist	Enclosed (Yes/No)	Reference in the Bid (Page No.)
1.	A covering letter on your letter head addressed to The Managing Director, Tamilnadu Arasu Cable TV Corporation Limited (TACTV), 34 /123, 6 th Floor, Dugar Towers, Marshall's Road, Egmore, Chennai - 600 008 (as per Annexure-II)		
2.	Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions		
3.	Demand Draft for Rs.50,000/- (Rupees Twenty Five Thousand only), in favour of "Tamilnadu Arasu Cable TV Corporation Limited", payable at Chennai, towards Earnest Money Deposit.		
4.	Authorization letter from the Company for the person to sign the tender		
5.	Details of the Tenderer (as per Annexure-III)		
6.	Letter of authorization from the original manufacturer (as per Annexure-IV)		
7.	Bill of Materials (as per Annexure-V)		
8.	Average annual turnover statement duly certified by a Chartered Accountant (as per Annexure-VI)		
9.	Declaration for not having black listed either by TACTV or by any other Govt. agencies (as per Annexure-VII)		

S.No.	Checklist	Enclosed (Yes/No)	Reference in the Bid (Page No.)
10.	Declaration for not having tampered the Tender documents downloaded from the websites www.tactv.in and www.tenders.tn.gov.in (Annexure-VIII).		
11.	The copy of certificate of incorporation/registration.		
12.	Copy of Memorandum and Articles of Association		
13.	Copy of Registered Partnership deed, in case of Partnership Firm		
14.	Purchase Orders and completion certificates issued by the clients		
15.	The Annual Report / certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive financial years 2014-15, 2015-16 and 2016-17.		
16.	Copy of Registration certificate under GST Act		
17.	Copy of PAN allotment Certificate/ PANCARD issued by Income Tax Department.		
18.	Latest I.T return		
19.	Notarized translated English version of the documents in a language other than English/Tamil, if any		

Documents to be enclosed in Part-II

S.No.	Checklist	Enclosed (Yes/No)
1.	A covering letter on the letter head addressed to The Managing Director, Tamilnadu Arasu Cable TV Corporation Limited (TACTV), 34 /123, 6 th Floor, Dugar Towers, Marshall's Road, Egmore, Chennai - 600 008 (as per Annexure - X)	
2.	Price Bid as per Annexure-XI of the Tender document	

Note: Tenders submitted in unsealed cover would summarily be rejected.