SOCIETY FOR ELECTRONIC TRANSACTIONS AND SECURITY (SETS

MGR Knowledge City, CIT Campus, Taramani, Chennai – 600 113

Website: www.setsindia.in

No. SETS/13/PUR/2026-27/PA **03.11.2026**

NOTICE INVITING TENDER

Sealed quotations are invited under the **Two-Cover System (Technical Bid & Price Bid)** from **OEM/Authorized vendors** for the Supply, Installation, Testing and commissioning of a Public Announcement (PA) System at SETS.

The last date and time for submission of quotations is **16:00 hrs on 19.11.2026**.

Purchase Officer
SETS

NOTICE INVITING TENDER

Sl. No	Particulars	Details
1	Tender Reference No.	**SETS/13/PUR/2026-27/PA**
2	Tender Document Date	**03.11.2026**
3	Tender Publication Date	**04.11.2026**
4	Last Date and Time Submission of Tender	**16:00 hrs on 19.11.2026**
5	Date and Time of Opening Technical Bid	**16:00 hrs on 19.11.2026**
6	Name of Procurement	Supply, Installation, Testing and commissioning of a Pu Announcement (PA) System at SETS.
7	Validity of Tender Offer	**90 days from the date of opening of the Technical Bid**
8	Estimated Tender Value	**₹ 9,39,870/-**
9	Address for Submission Tender	**The Purchase Officer,** **Society for Electronic Transactions and Security (SETS),** **MGR Knowledge City, CIT Campus, Taramani,** **Chennai – 600 113.**

Note: The tender shall be submitted in accordance with the terms and conditions specified in the Tender Document.

1. Technical Requirement

Sl. No.	Description	Qty
1	Supply and Installation of Digital Voice Evacuation Master Controller.	1
2	Supply and Installation of Keypad Remote Microphone	2
3	Supply and Installation of 480W RMS Single Channel Power Amplifier	7
4	Supply and Installation of HC Player for Playing Music with USB Connectivity with DVD Player	1
5	Integration with Fire Alarm System	1
6	Testing and commissioning charges	1

2. SCOPE OF WORK

The scope of work shall include:

1. Supply of all equipment required for the PA System.
2. Transportation of equipment to SETS, Chennai.
3. Unloading, shifting and positioning of equipment at the designated location.
4. Installation and mounting of the PA System equipment.
5. Supply and laying of required cables, connectors, lugs, conduits, accessories and consumables.
6. Installation and configuration of the master controller.
7. Installation and configuration of remote paging microphones.
8. Installation and connection of power amplifier.
9. Integration with the existing speaker and Fire Alarm System.
10. Configuration of emergency, alert, paging, PA and BGM functions.
11. Testing of speaker lines, microphones, amplifiers and control interfaces.
12. Testing of emergency voice messages and alert messages.
13. Testing of the system during mains failure, wherever applicable.
14. Testing and commissioning of the complete system.
15. Demonstration and training to SETS personnel.
16. Submission of technical manuals, datasheets, warranty documents and commissioning reports.
17. Removal of packing materials and cleaning of the work area after installation.
18. Any other work required for successful completion and commissioning of the system.

The quoted price shall include all materials, labour, transportation, installation, testing, commissioning and incidental charges necessary for complete execution of the work.

3. ELIGIBILITY CRITERIA

The bidder shall submit documentary evidence demonstrating compliance with the following eligibility requirements:

3.1 Experience

The bidder shall have a minimum of **five (05) years of experience in the relevant field as on 31.03.2026**.

3.2 Financial Capacity

The bidder shall have an **average annual turnover for the last three financial years equivalent to at least 70% of the quoted bid value**.

The bidder shall submit supporting documents, including audited financial statements duly certified by a Chartered Accountant.

3.3 Past Performance

The bidder shall have successfully completed similar supply orders during the last three years, meeting any one of the following criteria, with values exclusive of GST:

- **One** completed work having a value of at least **80% of the quoted value**; **OR**
- **Two** completed works, each having a value of at least **60% of the quoted value**; **OR**
- **Three** completed works, each having a value of at least **40% of the quoted value**.

The following relevant documents shall be submitted:

- Work Orders;
- Completion Certificates; and/or
- End-User Certificates.

4. Detailed Technical Requirement

4.1 Digital Voice Evacuation Master Controller.

1. 6 Zone Class-AB speaker line low impedance supervision.
2. Two Separate players for EVAC and alert voice message by SD Card.
3. Ethernet interface for configuration, control, diagnostics and logging.
4. Public address system and Voice evacuation system unit.
5. Digital Voice Evacuation system with built-in 500W Class-D Digital amplifier in one unit.
6. Specification meets the standard of BS EN54-32 & EN60849.
7. Ethernet interface for configuration, control, diagnostics and logging; integration of EVAC controller, paging system, PA system & BGM system.
8. Built-in amplifier auto changeover into standby when fault.
9. With external amplifier input to expand the power.
10. Capacity of connection of 20 units remote microphone.
11. Red button EVAC message push to activate with priority except remote mic.

12. 6 zone speaker outputs with separate zone volume control (ATT).
13. 6 zone separate indicators for EVAC, fault, music/paging & select.
14. System indicators of AC, DC, fault and indicators for EVAC, alert & fireman mic.
15. Zone capacity of 120 zones by cascaded 19 units routers, with 6 programmable control inputs and 6 programmable control outputs for voice evacuation system.
16. With Fault, EVAC outputs and Reset input for third-party system integration.
17. With fireman microphone of highest priority.
18. Priority level: fireman mic, EVAC, input 1, remote microphone, timer & BGM.
19. Two combo inputs for mic/line, 4-line inputs and one REC output.
20. Two RJ45 ports for router, two RJ45 for remote microphone input and two RJ45 for LAN/WAN/Internet network.
21. AC 230V and DC 24V battery input. Auto switch into the battery backup when AC fails. Shall have the minimum following characteristics:
22. 0dB input / outputs.
23. Audio input impedance: 10K Ohms.
24. Input sensitivity: 0dB.
25. Audio output impedance: 50 Ohms.
26. Output levels: 0dB.
27. Max input/output level: +14 dBv.
28. Pass-band: 10 Hz to 22 KHz.
29. Sampling: 48 kHz, 24 bit.
30. Distortion: 0.01% to 1 KHz.
31. Output noise: <84 dBu Lin, <88 dBu A-weighted.
32. Output dynamic: >98 dBu Lin, >102 dBu A-weighted.
33. 100V Inputs/Outputs.
34. Max power per Channel: 500W.
35. Amplifier gain measurement: 1 kHz, 18 kHz.
36. Line impedance measurement: 100V, 1 kHz, 18 kHz.
37. Ground fault measurement.

4.2 Keypad Remote Microphone

1. System Capacity: 32 units.
2. Communication Distance: 600 Meters.
3. System Connection: Star Connection or Loop Redundancy Connection.
4. Zone Number: 12 Zones or 12 Group of Zones.

5. Paging Mode: PPT & Normal Paging Mode.
6. Electrical Part: Phantom Power Voltage: 20V – 27.5V.
7. Line Input: Max Current < 0.1A.
8. Microphone Input: Power Consumption < 2.4A.
9. Working Environment Sensitivity: 775 mV.
10. Impedance: 10 kΩ.
11. S/N Ratio: > 70 dB.
12. Sensitivity: 5 mV.
13. Impedance: 600 Ω.
14. Operation Temperature: 5℃ ~ 40℃.
15. Storage Temperature: 20℃ ~ 70℃.
16. Relative Humidity: <90%.
17. Dimension: 240 x 140 x 55 (W x D x H) mm.
18. Weight: 1 Kg.
19. Finish: Aluminum case in black.

4.3 480W RMS Single Channel Power Amplifier

1. Power Output: (0.5% THD, 1Hz): 480W.
2. S/N Ratio: 80dB (ref 100V).
3. Power Bandwidth: (±3dB) 40Hz~15KHz @ half.
4. THD: Better than 0.5%.
5. Sensitivity: 1V.
6. Impedance: 10KΩ.
7. Size: 482 (W) x 420 (D) x 44 (H) mm.
8. Shipping Dimensions: 560mm x 510mm x 90mm.
9. Net Weight: 18Kg.
10. Shipping Weight: 22kg.
11. 100V / 4–16 Ohm speaker outputs.
12. Isolated transformer for human safety.
13. Balanced line input.
14. Protection against overheating, overload, clip and short circuit.
15. Indications for power, signal, clip and protection.
16. Frequency Response: 40Hz - 15kHz.
17. S/N Ratio: >80dB.
18. THD: <0.5%.
19. Power Supply: 230V AC.
20. Thermal Protection, Input-Output Transformer Protection, Short Circuit Protection, Overload Protection, Return Limiter and Soft Switching (Soft Start).

4.4 HC Player for Playing Music with USB Connectivity with DVD Player

1. Supply and installation of HC player for playing music with USB connectivity with DVD player.
2. The equipment shall be suitable for integration with the proposed PA and Voice

Evacuation System.

4.5 Fire Alarm System Integration

1. Programming of Fire Alarm Panel with necessary output modules.
2. Integration with PA / Voice Evacuation System.
3. Automatic triggering of PA system in case of fire with evacuation message.
4. Required logic shall be implemented in the Fire Alarm Panel for alert and evacuation
5. messages.
6. Complete testing and verification of fire alarm interface and evacuation message triggering shall be carried out.

4.6 Testing and Commissioning Charges

a. Complete testing and commissioning of the PA and Voice Evacuation System.
b. Testing of all connected equipment, speaker zones, amplifiers, remote microphones and
2. control functions.
a. Testing of integration with the Fire Alarm System.
b. Verification of alert and evacuation messages.
c. Final system configuration and functional demonstration after installation.

5. INSTALLATION REQUIREMENTS

The successful bidder shall:

1. Inspect the installation location before commencing the work.
2. Verify the existing PA System, speaker lines, cables, racks, power supply and Fire Alarm System.
3. Install all equipment at the locations identified by SETS.
4. Ensure proper earthing and electrical safety.
5. Provide suitable mounting arrangements.
6. Ensure proper cable routing and cable identification.
7. Provide ferrules, lugs, labels, conduits and termination accessories.
8. Ensure that all equipment is securely mounted and protected.
9. Avoid damage to existing electrical, fire alarm and communication systems.
10. Restore the installation area to its original condition after completion.
11. Obtain approval from SETS before making any modification to existing systems.

6. SITE VISIT

The bidder shall inspect the SETS premises before submission of the bid and verify:

1. Existing PA System and associated equipment.
2. Existing speaker locations and speaker-line wiring.
3. Existing amplifier/controller configuration.
4. Fire Alarm System interface requirements.
5. Power supply and earthing arrangements.
6. Rack/cabinet space.
7. Cable routes and installation constraints.
8. Accessibility and working conditions.

9. Requirement of additional cables and accessories.
10. Any other factor affecting the successful execution of the work.

The bidder shall be deemed to have considered all site conditions while quoting the price. No additional payment shall be admissible due to lack of knowledge of the site conditions.

The bidder shall submit the prescribed Site Visit Certificate along with the Technical Bid.

7. TESTING AND COMMISSIONING

The successful bidder shall conduct complete testing and commissioning, including:

1. Equipment power-on test.
2. Controller functionality test.
3. Amplifier output test.
4. Microphone test.
5. Zone-wise paging test.
6. Public announcement test.
7. Background music test.
8. Emergency voice evacuation test.
9. Alert message test.
10. Fireman microphone priority test.
11. Fire Alarm System integration test.
12. Speaker-line supervision test.
13. Fault indication test.
14. Amplifier auto changeover test, wherever applicable.
15. Mains failure/backup operation test, wherever applicable.
16. Audio clarity and intelligibility test.
17. Final demonstration to SETS officials.

The system shall be considered complete only after successful testing and acceptance by SETS.

8. Local Support

The bidder shall have an operational office in Chennai or shall demonstrate the ability to provide prompt installation and after-sales support at SETS, Chennai.

9. TECHNICAL COMPLIANCE STATEMENT

The bidder shall submit an item-wise compliance statement against every technical requirement specified in the tender documents.

The compliance statement shall clearly indicate: Complied / Not Complied.

The bidder shall mention the exact make, model, technical parameter and supporting datasheet reference against each item.

A general statement such as “Complied” without supporting technical details may not be accepted.

10. TRAINING

The successful bidder shall provide basic operation and maintenance training to nominated SETS personnel covering normal PA operation, zone-wise announcement, emergency announcement, fireman microphone operation, message recording/playback, fault identification, basic troubleshooting and system shutdown/restart procedures.

11. WARRANTY

The complete PA / Voice Evacuation System, including all supplied equipment and workmanship, shall carry a comprehensive warranty for the period specified in the Tender.

During the warranty period:

1. Defective equipment shall be repaired or replaced free of cost.
2. Warranty shall include parts, labour, transportation and service charges.
3. The bidder shall attend complaints within the response time specified in the tender document.
4. The bidder shall provide necessary technical support.
5. Any defect affecting emergency announcement or evacuation operation shall be attended to on priority.
6. No additional financial implication shall be applicable to SETS for warranty services.

12. DELIVERY SCHEDULE

The successful bidder shall **supply, deliver, install, test, commission, calibrate, and make the equipment fully operational at SETS, Chennai, within 6 to 8 weeks from the date of issuance of the Purchase Order**.

13. PAYMENT TERMS

- **No advance payment shall be made.**
- Payment shall be released **within 10 working days** after successful completion of the work, including delivery, installation, testing, commissioning and calibration, wherever applicable.

14. LIQUIDATED DAMAGES

Timely delivery, installation, testing, commissioning and handover of the equipment are critical to the contract.

- **Liquidated Damages:** 0.5% of the contract value per week or part thereof for delay.
- **Maximum Liquidated Damages:** 10% of the total contract value.

15. Technical Bid – COVER I (Separate Sealed Cover)

The bidder shall submit the Technical Bid in a separate sealed cover, containing the following documents in the prescribed format:

- Statement I: Covering Letter and Declaration.
- Statement II: Site Visit Certificate.

- Statement III: Proof of Office in Chennai.
- Statement IV: Manufacturer's Authorization Letter / Declaration of Authorization as Dealer/Supplier/OEM, along with relevant supporting documents.
- Statement V: Details of similar supplies successfully completed, along with copies of Work Orders and Completion Certificates issued by Government Departments/PSUs/Autonomous Bodies/Government-funded Research Institutions.
- Statement VI: Details of Annual Turnover duly certified by a Chartered Accountant.
- Statement VII: Self-Declaration regarding Non-Debarment/Non-Blacklisting.
- Statement VIII: Technical Compliance Statement indicating the exact product/model offered and detailed specifications against each of the tender requirements, along with supporting technical documents/brochures.

16. Price Bid – COVER II (Separate Sealed Cover)

The bidder shall submit the Price Bid in a separate sealed cover, strictly in the format prescribed in the Price Bid format provided in the NIT document.

The Price Bid shall contain the following details:

1. Name of the Bidder/Firm.
2. Description of the Item/Equipment.
3. Make and Model offered.
4. Quantity quoted.
5. Unit Basic Price (excluding GST).
6. GST rate (%) and GST amount.
7. Total Price including GST.
8. Any other applicable charges, including transportation, packing, forwarding, installation and commissioning charges, wherever applicable.
9. Grand Total Amount (including all applicable taxes and charges).
10. Delivery Period.
11. Warranty/Guarantee Period.
12. Any other relevant commercial terms and conditions.

Note:

- The Price Bid shall be submitted only in Cover II.
- The bidder shall not mention any price details in the Technical Bid (Cover I).
- Both covers shall be duly sealed and superscribed as "Technical Bid – COVER I" and "Price Bid – COVER II", respectively.
- Both sealed covers shall be placed inside one outer sealed cover, clearly superscribed with the Name of the Tender and Tender Reference Number.

17. Proof of Office in Chennai

Tender Condition:

- The bidder shall have a registered office / branch office / service support office in Chennai, Tamil Nadu. Documentary evidence such as GST Registration Certificate, Trade Licence,

rental agreement, utility bill or other valid address proof shall be submitted along with the Technical Bid.

- Justification:
- Since the Public Announcement System requires installation, commissioning, testing and after-sales technical support, the availability of a local office in Chennai is required to ensure prompt response to service calls, timely rectification of technical issues, effective coordination and uninterrupted operation of the system.
- The local presence will also facilitate warranty support, preventive maintenance and emergency service requirements without undue delay.

18. EARNEST MONEY DEPOSIT (EMD) AND ePBG

18.1 Earnest Money Deposit

An **Earnest Money Deposit (EMD) equivalent to 2% of the quoted value** shall accompany the bid.

The EMD shall be returned to unsuccessful bidders without any interest. Bids submitted without the required EMD shall be liable for rejection.

Bidders registered with the **National Small Industries Corporation (NSIC)**, including eligible Micro, Small and Medium Enterprises (MSMEs) and Startups, for supply/service related to this tender may claim exemption from payment of EMD/Security Deposit, subject to the applicable rules and monetary limits. An attested copy of the valid registration certificate shall be furnished in support of the exemption claim.

18.2 EMD Payment

The Bid Security/EMD amount, excluding applicable bank charges, shall be remitted, at the bidder's option, through **fund transfer** or **Demand Draft** drawn on any Scheduled Bank.

18.3 Bank Details:

SETS Account Details:

- **Bank:** Indian Bank, L.B. Road Branch
- **Account No.:** 6312902297
- **MICR Code:** 600019028
- **IFSC:** IDIB000L006

18.4 ePBG

The successful bidder shall furnish an **ePBG equivalent to 3% of the Purchase Order value** in favour of:

"The Purchase Officer, Society for Electronic Transactions and Security (SETS)", payable at Chennai, within **7 days from the date of the Purchase Order**.

The ePBG shall be refunded to the vendor **after 60 days from completion of the One-year warranty period**, without interest or late fees, subject to successful and satisfactory completion of all contractual obligations during the warranty period.

19. BID SUBMISSION AND COMMUNICATION GUIDELINES

- Intending bidders are advised to regularly visit the SETS website for any **corrigendum, addendum, clarification, or amendment** issued in connection with this tender.
- For queries regarding the tender terms and conditions, bidders may contact:

  Email: purchaseofficer@setsindia.net
  Copy to: purchase@setsindia.net and caao@setsindia.net
  Phone: 044-6632529 during working hours.

20. RIGHT TO ACCEPT OR REJECT BIDS

SETS reserves the right to:

1. Accept or reject any bid.
2. Reject any or all bids.
3. Annul the bidding process wholly or partially.
4. Modify the bidding process at any stage.
5. Seek clarification from bidders.
6. Reject bids with incomplete or misleading information.
7. Reject equipment that does not meet the required technical specifications.
8. Cancel the procurement process before award of work, in accordance with applicable rules.

The decision of SETS in this regard shall be final and binding, subject to applicable rules.

21. IMPORTANT NOTE

The bidder shall carefully study the Tender document, technical specifications, site conditions and existing PA/Fire Alarm System before submitting the bid.

The bidder shall be fully responsible for the compatibility, integration, installation, testing and commissioning of the complete PA / Voice Evacuation System.

The bidder shall not claim any additional payment on account of inadequate site inspection, incorrect assessment of existing equipment, missing accessories, cable requirements, installation constraints or compatibility requirements.

Purchase Officer

SETS

STATEMENT NO. I

COVERING LETTER AND DECLARATION

(To be printed on the Bidder's Letterhead and duly signed by the Authorized Signatory)

To
The Purchase Officer
Society for Electronic Transactions and Security (SETS)
MGR Knowledge City, CIT Campus
Taramani, Chennai – 600 113

Sub: Supply, Installation, Testing and Commissioning of a Public Announcement (PA) System at SETS. – Declaration.

Declaration

I/We hereby declare that I/We have carefully read, understood and accepted all the terms and conditions contained in the above-mentioned Tender Document, including all Annexures, Schedules, Additional Terms & Conditions (ATC), Technical Specifications, Bid Evaluation Criteria and any Corrigendum/Addendum issued from time to time, which shall form an integral part of the contract.

I/We agree to abide by all the terms, conditions, specifications and obligations contained therein.

I/We further confirm that the equipment and associated services offered by us shall be supplied, delivered, installed, tested, commissioned, calibrated and made operational within the stipulated period specified in the tender, if the contract is awarded to us.

I/We further understand and acknowledge that:

1. In the event of withdrawal, modification or deviation of our bid during the bid validity period; or
2. If, upon award of the contract, we fail to accept the contract, execute the agreement, wherever applicable, or furnish the required Performance Security/ePBG within the stipulated time,

SETS shall be entitled to take appropriate action in accordance with the applicable rules and terms of the tender.

I/We certify that all information furnished in the bid is true, complete and correct to the best of our knowledge and belief.

I/We further confirm that all required Statements **I, II, III, IV, V and VI**, together with supporting documents such as Manufacturer's Authorization Certificate, Purchase Orders, Completion Certificates, Financial Statements and other relevant records, have been duly completed and submitted in accordance with the requirements of the tender document and ATC.

Signature with Seal: _____
Designation: _____
Name: _____
Contact No.: _____

Statement No. II

(To be printed on the Bidder's Letterhead and duly signed)

Site Visit Certificate

To
The Purchase Officer
Society for Electronic Transactions and Security (SETS)
MGR Knowledge, CIT Campus
Taramani, Chennai – 600113

Sub: Supply, Installation, Testing & Commissioning of PA System – Site Visit Certificate

I/We hereby certify that we have personally visited the installation site at the Society for Electronic Transactions and Security (SETS), Chennai, prior to submission of our bid.

During the site visit, we have:

1. Inspected the existing existing PA System, speaker lines and associated equipment.
2. Verified the speaker capacity, quantity, locations, layout, cable routes, interconnections, and installation requirements.
3. Examined the site conditions, accessibility, and working environment.
4. 4. Understood the scope of dismantling/removal of existing PA equipment, where applicable, supply, installation, testing, commissioning, Fire Alarm System integration and associated requirements.
5. Assessed all factors that may affect the execution of the work, including transportation, labour, safety requirements, and installation constraints.

Based on our inspection, we confirm that we have fully understood the scope of work and have considered all costs associated with the successful execution of the contract. We shall not claim any additional payment due to lack of knowledge of the site conditions after submission of the bid.

We further certify that our quoted price includes all costs necessary for complete execution of the work in accordance with the tender specifications.

Signature of Authorized Signatory of Bidder

Name:

Designation:

Company Name:

Date of Site Visit:

Company Seal

STATEMENT – III

(Proof of Office in Chennai)

(To be printed on the Bidder's Letterhead and duly signed by the Authorized Signatory)

To

The Purchase Officer
Society for Electronic Transactions and Security (SETS)
MGR Knowledge, CIT Campus
Taramani, Chennai – 600113

Sub: Declaration regarding Office in Chennai

Declaration

I/We hereby declare that **M/s. _____** has a **Registered Office / Branch Office /** located in **Chennai, Tamil Nadu**.

The office address is as follows:

Office Address:

I/We further declare that the above office is fully operational and shall be responsible for providing installation, warranty, and after-sales service support during the contract period, as and when required by SETS.

I/We have enclosed documentary proof of the Chennai office, such as any one of the following:

- GST Registration Certificate indicating the Chennai office address; or
- Certificate of Incorporation / Registration Certificate; or
- Shop & Establishment Registration Certificate; or
- Rental / Lease Agreement along with a recent Electricity Bill; or
- Any other valid Government-issued document establishing the Chennai office address.

I/We certify that the information furnished above is true and correct. In the event that any information is found to be false or misleading, SETS reserves the right to reject our bid and take appropriate action as per the tender conditions.

Signature of Authorized Signatory with Seal

Name: _____

Designation: _____

Name of the Firm: _____

Date: _____

Place: _____

STATEMENT NO. IV

MANUFACTURER'S AUTHORIZATION LETTER

(To be printed on the Manufacturer's Letterhead and duly signed)

To
The Purchase Officer
Society for Electronic Transactions and Security (SETS)
MGR Knowledge City, CIT Campus
Taramani, Chennai – 600 113

Sub: Letter of Authorization – Reg.

Dear Sir/Madam,

We hereby confirm the following:

a) We are the manufacturer/OEM of _____.

b) M/s. _____ (Name of Bidder) is hereby authorized to supply the above-mentioned product(s) to SETS in response to the above tender.

c) The authorized bidder shall be responsible for supply, installation, testing, commissioning and providing all allied support and maintenance services during the currency of the contract.

d) We extend our full warranty and support for the goods offered by the above-mentioned bidder, including subsequent maintenance, supply of spares and services, in the event of award of the contract.

e) In the event of failure by the authorized bidder to perform any activity relating to the products manufactured and supplied by us, we undertake to provide necessary support to ensure completion of the same without any additional financial implication to SETS, as applicable under the contract.

Signature with Seal: _____
Designation: _____
Name: _____
Contact No.: _____

STATEMENT NO. V

DETAILS OF SIMILAR SUPPLIES COMPLETED

(To be printed on the Bidder's Letterhead and duly signed)

To
The Purchase Officer
Society for Electronic Transactions and Security (SETS)
MGR Knowledge City, CIT Campus
Taramani, Chennai – 600 113

Sub: Submission of Details of Similar Supplies Completed along with Work / Purchase Orders and Completion Certificates – Reg.

Details of Similar Supplies Executed

The following are the details of similar supply, installation, testing, commissioning and warranty support works successfully completed by our firm for Government Departments, Public Sector Undertakings (PSUs), Autonomous Bodies or Government-funded Research Institutions during the last three financial years.

Sl. N	Organization N	Description Supply/Work	Date Order	Order V (₹)	Completion D	Supporting Document
1						
2						
3						

Declaration

We hereby declare that the above-mentioned supplies/works have been successfully completed within the stipulated time.

Copies of the respective Work Orders, Completion Certificates, End-User Certificates and other supporting documents are enclosed for verification.

We further certify that the information furnished above is true and correct to the best of our knowledge and belief. In the event that any information is found to be false or incorrect, SETS reserves the right to take appropriate action in accordance with the tender conditions.

Signature with Seal: _____
Designation: _____
Name: _____
Contact No.: _____

STATEMENT NO. VI

DETAILS OF ANNUAL TURNOVER

(To be printed on the Bidder's Letterhead and duly signed)

Sl. No.	Financial Year	Annual Turnover (₹)
1	2022-23	
2	2023-24	
3	2024-25	

Mode of Proof

The above turnover details shall be supported by:

- Audited Profit & Loss Accounts; and
- Audited Balance Sheets;

for the last three financial years ending **31.03.2025**, duly certified by the bidder's **Chartered Accountant**.

Signature with Seal: _____
Designation: _____
Name: _____
Contact No.: _____

STATEMENT NO. VII

SELF-DECLARATION – NON-DEBARMENT

(To be printed on the Bidder's Letterhead and duly signed)

To
The Purchase Officer
Society for Electronic Transactions and Security (SETS)
MGR Knowledge City, CIT Campus
Taramani, Chennai – 600 113

Sub : Supply, Installation, Testing and Commissioning of a Public Announcement (PA) System at SETS. – Declaration Reg.

I/We hereby declare that our firm has not been declared ineligible or debarred for corrupt, fraudulent or other prohibited practices for any period, either indefinitely or temporarily, by any Central Government, State Government, Autonomous Body, Statutory Body or Central University, as on the date of submission of this bid.

We further declare that our firm, M/s. _____, is not debarred, blacklisted or otherwise declared ineligible for participation in similar procurement by any Central Government, State Government, Autonomous Body, Statutory Body or Central University as on the date of submission of this bid.

We confirm that the above declaration is true and correct to the best of our knowledge and belief.

Authorized Signatory
Signature with Seal: _____
Designation: _____
Name: _____
Contact No.: _____

STATEMENT NO. VIII

TECHNICAL COMPLIANCE STATEMENT

(To be printed on the Bidder's Letterhead and duly signed)

To
The Purchase Officer
Society for Electronic Transactions and Security (SETS)
MGR Knowledge City, CIT Campus, Taramani
Chennai – 600 113

Sub: Supply, Installation, Testing and Commissioning of a Public Announcement (PA) System at SETS. – Declaration – Reg.

I/We hereby declare that we have quoted our price for the supply of the following material and, in the event of award of the order, I/We shall supply, install, test, commission and make the equipment operational within the stipulated delivery period.

Technical Compliance

Sl. N	Tender Specification	Offered Specification	Compliance (Yes/No)
1	Supply and Installation of Digital Voice Evacuation Master Controller. • 6 Zone Class-AB speaker line low impedance supervision. • Two Separate players for EVAC and alert voice message by SD Card. • Ethernet interface for configuration, control, diagnostics and logging. • Public address system and Voice evacuation system unit. • Digital Voice Evacuation system with built in 500W Class-D Digital amplifier in one unit. • Specification Meet the standard of BS EN54-32 & EN608409. • Ethernet interface for configuration, control, diagnostics and logging Integration of EVAC controller, paging system, PA system & BGM system • Built-in amplifier auto changeover into standby when fault. • With external amplifier input to		

	expansion the power. • Capacity of connection 20 unit's remote microphone. • Red button EVAC message push to activate with priority except reman mic. • 6 zone speaker outputs with separate zone volume control (ATT). • 6 zone separate indicator for EVAC, fault, music/paging & select. • System indicators of AC, DC, fault and indicators for EVAC, alert & fireman mic. • Zone capacity of 120 zones by cascaded 19 unit's routers. With 6 programmable control inputs and 6 programmable control outputs for voice evacuation system. • With Fault, EVAC outputs and Reset input for third party system integration. • With fireman microphone of highest priority. • Priority level: fireman mic, EVAC, input 1, remote microphone, timer & BGM. • Two combo inputs for mic/line, 4-line inputs and one REC output. • Two RJ45 ports for router, two RJ45 for remote microphone input and two RJ45 for LAN/WAN/Internet network. • AC 230V and DC24V battery input. Auto switch into the battery backup when AC fails. shall have the minimum following characteristic: ▪ 0dB input / outputs ▪ Audio input impedance: 10K Ohms ▪ Input sensitivity: 0dB ▪ Audio output impedance: 50Ohms ▪ Output levels 0dB ▪ Max input/output level +14 dBv ▪ Pass-band 10 Hz to 22KHz ▪ Sampling 48 kHz 24bit ▪ Distortion 0.01% to 1 KHz ▪ Output noise<84 dBu Lin, <88 dBu		

	A-weighted ▪ Output dynamic >98dBu Lin, >102dBu A-weighted ▪ 100V Inputs/Outputs ▪ Max power per Channel 500W, ▪ Amplifier gain measurement 1 kHz, 18 kHz ▪ Line impedance measurement 100V 1kHz, 18kHz ▪ Ground fault measurement		
2	Supply and Installation of Keypad Remote Microphone • 2System Capacity: 32 units • Communication Distance: 600 Meters • System Connection: Star Connection or Loop Redundancy Connection • Zone Number: 12 Zones or 12 Group of Zones • Paging Mode: PPT & Normal Paging Mode • Electrical Part: Phantom Power Voltage 20V – 27.5V • Line Input: Max Current < 0.1A • Microphone Input: Power Consumption < 2.4A • Working Environment Sensitivity: 775 mV • Impedance: 10 k Ω • S/N Ratio: > 70 dB • Sensitivity: 5 mV • Impedance: 600 Ω • Operation Temperature: 5℃ ~40℃ • Storage Temperature: 20℃~70℃ • Relative humidity: <90% • Dimension: 240 x 140 x 55 (W x D x H) mm • Weight: 1 Kg • Finish: Aluminium case in black		
3	Supply and Installation of 480W RMS Single Channel Power Amplifier. • Power Output: (0.5% THD, 1Hz): 480W.		

	• S/N Ratio: 80dB (ref 100V). • Power Bandwidth: (±3dB) 40Hz~15KHz @ half. • THD: Better than 0.5%. • Sensitivity: 1V. • Impedance: 10KΩ. • Size: 482 (W) x 420 (D) x 44 (H) mm. • Shipping Dimensions: 560mm x 510mm x 90mm. • Net Weight: 18Kg. • Shipping Weight: 22kg. • 100V / 4–16 Ohm speaker outputs. • Isolated transformer for human safety. • Balanced line input. • Protection against overheating, overload, clip and short circuit. • Indications for power, signal, clip and protection. • Frequency Response: 40Hz - 15kHz. • S/N Ratio: >80dB. • THD: <0.5%. • Power Supply: 230V AC. • Thermal Protection, Input-Output Transformer Protection, Short Circuit Protection, Overload Protection, Return Limiter and Soft Switching (Soft Start).		
4	Supply and Installation of HC Player for Playing Music with USB Connectivity with DVD Player • Supply and Installation of HC player for playing music with USB connectivity with DVD player • The equipment shall be suitable for integration with the proposed PA and Voice Evacuation System.		
5	Integration with Fire Alarm System • Programming of Fire Alarm Panel with necessary output modules. • Integration with PA / Voice Evacuation System.		

	• Automatic triggering of PA system in case of fire with evacuation message. • Required logic shall be implemented in the Fire Alarm Panel for alert and evacuation messages. • Complete testing and verification of fire alarm interface and evacuation message triggering shall be carried out.		
6	Testing and commissioning charges • Complete testing and commissioning of the PA and Voice Evacuation System. • Testing of all connected equipment, speaker zones, amplifiers, remote microphones and control functions. • Testing of integration with the Fire Alarm System. • Verification of alert and evacuation messages. • Final system configuration and functional demonstration after installation.		

Signature with Seal: _____
Designation: _____
Name: _____
Contact No.: _____

CHECKLIST OF DOCUMENTS TO BE SUBMITTED BY THE BIDDER

Name of Work: Supply, Installation, Testing & commissioning of a Public Announcement (PA) System at SETS.

The bidder shall tick (✓) against each document enclosed and mention the relevant page number in the technical bid.

Sl. N	Document / Requirement	Enclosed (✓/✗)	Remarks / I No.
1	Covering letter on the firm's/company's letterhead, indicating GSTIN, telephone number and email ID	☐	
2	Documentary proof of EMD (payment proof/DD, as permitted by the NIT)	☐	
3	Copy of PAN card	☐	
4	Copy of valid GST registration certificate	☐	
6	Documentary evidence establishing a minimum of Five years' experience	☐	
7	Documentary evidence of successful completion of similar supplies, any ONE of the following criteria:	☐	
7(a)	Three similar completed works, each costing not less than 40% of the estimated cost	☐	
7(b)	Two similar completed works, each costing not less than 60% of the estimated cost	☐	
7(c)	One similar completed work costing not less than 80% of the estimated cost	☐	
8	performance certificate(s) for the qualifying similar work(s), as required under the NIT, including the relevant clause/Annexure referred to in the tender.	☐	
9	Annual turnover certificate for FY 2022–2023, FY 2023–2024 and FY 2024–2025, duly certified by a Chartered Accountant, along with relevant financial records	☐	
10	Declaration/confirmation regarding blacklisting/debarment, insolvency/bankruptcy and arbitration, as required under Annexure-I	☐	
11	Site visit Certificate	☐	
12	Proof of Office in Chennai	☐	
13	Manufacture Authorization Letter	☐	
14	Technical Compliance Statement	☐	

ANNEXURE – II

PRICE BID (COVER – II)

Tender Reference No.: SETS/13/PUR/2026-27/PA dt: 03.11.2026

Name of Procurement: Supply, Installation, Testing & commissioning of a Public Announcement (PA) System at SETS.

Sl. N	Description	Qty.	Unit Price	GST	Total P Incl. GST
1	Supply and Installation of Digital Voice Evacuation Master controller • 6 Zone Class-AB speaker line low impedance supervision. • Two Separate players for EVAC and alert voice message by SD Card. • Ethernet interface for configuration, control, diagnostics and logging. • Public address system and Voice evacuation system unit. • Digital Voice Evacuation system with built in 500W Class-D Digital amplifier in one unit. • Specification Meet the standard of BS EN54-32 & EN608409. • Ethernet interface for configuration, control, diagnostics and logging Integration of EVAC controller, paging system, PA system & BGM system • Built-in amplifier auto changeover into standby when fault. • With external amplifier input to expansion the power. • Capacity of connection 20 unit's remote microphone. • Red button EVAC message push to activate with priority except reman mic. • 6 zone speaker outputs with separate zone volume control (ATT). • 6 zone separate indicator for EVAC, fault, music/paging & select. • System indicators of AC, DC, fault and indicators for EVAC, alert & fireman mic. • Zone capacity of 120 zones by cascaded 19 unit's routers. With 6 programmable control inputs and 6 programmable control outputs for voice evacuation system. • With Fault, EVAC outputs and Reset input for third party system integration.	01 No			

Sl. N	Description	Qty.	Unit Price	GST	Total P Incl. GST
	• With fireman microphone of highest priority. • Priority level: fireman mic, EVAC, input 1, remote microphone, timer & BGM. • Two combo inputs for mic/line, 4-line inputs and one REC output. • Two RJ45 ports for router, two RJ45 for remote microphone input and two RJ45 for LAN/WAN/Internet network. • AC 230V and DC24V battery input. Auto switch into the battery backup when AC fails. shall have the minimum following characteristic: ▪ 0dB input / outputs ▪ Audio input impedance: 10K Ohms ▪ Input sensitivity: 0dB ▪ Audio output impedance: 50Ohms ▪ Output levels 0dB ▪ Max input/output level +14 dBv ▪ Pass-band 10 Hz to 22KHz ▪ Sampling 48 kHz 24bit ▪ Distortion 0.01% to 1 KHz ▪ Output noise<84 dBu Lin, <88 dBu A-weighted ▪ Output dynamic >98dBu Lin, >102dBu A-weighted ▪ 100V Inputs/Outputs ▪ Max power per Channel 500W, ▪ Amplifier gain measurement 1 kHz, 18 kHz ▪ Line impedance measurement 100V 1kHz, 18kHz Ground fault measurement				
2	Supply and Installation of Keypad remote microphone works with series controller, which is of 8 zone paging features, its communication distance up to 300 meters through straight CAT6 cable, each amplifier capacity of connection up to 8 units of remote paging microphone, these microphones are connected hand -by hand. The remote paging microphone is direct power supplied from the Master controller CAT6 Cable Communication. • System Capacity: 32 units • Communication Distance: 600 Meters • System Connection: Star Connection or Loop Redundancy Connection • Zone Number: 12 Zones or 12 Group of Zones • Paging Mode: PPT & Normal Paging Mode • Electrical Part: Phantom Power Voltage 20V – 27.5V	02 N			

Sl. N	Description	Qty.	Unit Price	GST	Total P Incl. GST
	• Line Input: Max Current < 0.1A • Microphone Input: Power Consumption < 2.4A • Working Environment Sensitivity: 775 mV • Impedance: 10 k Ω • S/N Ratio: > 70 dB • Sensitivity: 5 mV • Impedance: 600 Ω • Operation Temperature: 5℃ ~40℃ • Storage Temperature: 20℃~70℃ • Relative humidity: <90% • Dimension: 240 x 140 x 55 (W x D x H) mm • Weight: 1 Kg • Finish: Aluminum case in black				
3	Supply and Installation of 480W RMS Single Channel Power Amplifier, 100V 4 - 16 ohm speaker outputs, Isolated transformer for human safety, Balanced line input, protection of over heat, over load, clip & short circuit, Indications for power, signal, clip, protection, Frequency Response 40Hz - 15kHz, S/N ratio>80dB, THD<0.5%, Power Supply 230V AC,This includes thermal. Protection, Input-output transformer protection, short circuit, Overload protection, return limiter and soft switching (soft start). These features can be used in far more demanding conditions and give greater fire safety protection. • Power Output: (0.5%THD, 1Hz)480W • S/N Ratio: 80dB (ref 100V) • Power Bandwidth : (±3dB) 40Hz~15KHz @half • THD: Better than 0.5 • Sensitivity: 1V • Impedance: 10KΩ • Size: (WxHxD) 482 (w) x 420 (D) x 44 (H) mm • Shipping Dimensions: (WxHxD) 560mm x 510mm x 90mm • Net Weight: 18Kg • Shipping Weight: 22kg •	7			
4	Supply and Installation of HC player for playing music with USB connectivity with DVD player	1			
5	Integration with Fire alarm system. Programming of Fire alarm panel with necessary output modules and to trigger the PA system in case of Fire with evacuation message. Logics to be implemented in Fire alarm panel for alert and evacuation messages	1			

Sl. N	Description	Qty.	Unit Price	GST	Total P Incl. GST
6	Testing and commissioning charges	1			
	Warranty Period (Mention No. of Year Only)				
	TOTAL QUOTED PRICE				**₹**
	Amount in Words: ₹ _____				
	Quote for AMC after Completion of Warranty Period (Optional if required Order will be Placed)				
7	AMC for 1st Year (after completion of Warranty Period)				
8	AMC for 2nd Year (after completion of Warranty Period)				

Price Declaration

1. The above quoted price is **inclusive of GST and all applicable taxes, duties, freight, insurance, delivery, installation, testing, commissioning, calibration and all other incidental charges**.
2. The quoted price shall represent the **total landed cost to SETS, Chennai**.
3. No additional charges shall be payable by SETS over and above the total quoted price, except as specifically permitted under the tender conditions.
4. The quoted price shall remain valid for **90 days from the date of opening of the Technical Bid**.
5. The Price Bid shall be opened **only for technically qualified bidders**. NIT
6. The bidder shall not indicate any price information in the Technical Bid.

BIDDER DETAILS

Name of the Bidder	
Name of Authorized Signatory	
Designation	
Contact No.	
Date	
Signature with Seal	

Authorized Signatory
Name & Seal of the Bidder