

SAINIK SCHOOL KALIKIRI
REQUEST FOR PROPOSAL

**INVITATION OF TENDERS FOR SUPPLY AND INSTALLATION OF AUDIO, VIDEO
PROJECTION & ACOUSTIC SYSTEM FOR AV ROOM AT SAINIK SCHOOL KALIKIRI**

Request for Proposal (RFP) No. SSKAL/3006/QM/AVR/2018 dated 25 May 2018

1. Bids in sealed covers are invited for supply and installation of items listed in Part II of this RFP on a two bid system i.e **Technical bid (T bid)** and **Commercial bid (Q bid)**. Please super scribe the above mentioned Title and RFP number on the sealed covers to avoid the Bid being declared invalid.
2. The address and contact numbers for sending Bids or seeking clarifications regarding this RFP are given below:-
 - (a) Bids/ queries to be addressed to : Principal,
Sainik School Kalikiri,
Chittoor Dist (AP) - 517234
 - (b) Postal address for sending the Bids : Principal,
Sainik School Kalikiri,
Chittoor Dist (AP) – 517234
 - (c) Name/Designation of the contact personnel : Administrative Officer
Sainik School Kalikiri,
Chittoor Dist (AP) - 517234
 - (d) Telephone number of the contact personnel : 0877-2500270
 - (e) E-Mail ids of contact personnel : sainik.kalikiri@gmail.com
 - (f) Fax number : 0877-2500271
3. This RFP is divided into five Parts as follows:-
 - (a) **Part I** - Contains General Information and Instructions for the bidders about the RFP such as the time, place of submission and opening of tenders, validity period of the tenders etc.
 - (b) **Part II** - Contains essential details of the items/services required, such as the Schedule of Requirements (SORs), Technical Specifications, Drawings, Delivery Period, Mode of Delivery and Consignee details.
 - (c) **Part III** - Contains Standard Conditions of RFP, which will form part of the Contract with the successful Bidder.
 - (d) **Part IV** – Contains Special Conditions applicable to this RFP and which will also form part of the contract with the successful Bidder.
 - (e) **Part V** – Contains Evaluation Criteria and Format for Price Bids.

4. **Submission of tender.** It is requested that bid document be filled correctly and all pages to be duly signed personally by the bidder or his authorised signatory along with company rubber stamp. The name of person signing each page must be written clearly. Tenders in sealed cover duly super-scribed in bold letters – **‘Quotations for Supply and Installation of Audio, Video Projection, Acoustic System for AV Room at Sainik School Kalikiri’ and Tender Enquiry reference**, on a two bid system i.e. Technical Bid (Envelope A) and Commercial Bids (Envelope B), which should also be duly super-scribed. The contents of the Envelopes are enumerated in the following paragraphs:-

(a) **Envelope No. A (Technical Bid).** The Envelope ‘A’, should contain the following documents:-

- (i) Technical offer and any other document/information / brochures /clause affecting the cost / rate and delivery of each quoted item
- (ii) A covering letter from the tenderer detailing various considerations in his tender, without description of the financial bid.
- (iii) Earnest money deposit for (Rs.50,000/-) valid upto 45 days beyond the final bid validity period.
- (iv) Duly executed power of attorney in the name of tenderer’s authorized representative to act on behalf of the tenderer in case of firm/partnership duly authenticated by court of law.
- (v) Return full set of tender document in original duly signed with company stamp on each page as a token of acceptance of the entire tender terms and conditions as mentioned therein.
- (vi) Registration certificate.
- (vii) Certificate of undertaking signed by the bidder, as per **Appendix ‘A’**.
- (viii) OEM Authorised certificate, as per **Appendix ‘B’**. Authorisation certificate for the items considered for evaluation. Bidder should submit the necessary OEM along-with the Bid, else the bid will not be considered.
- (ix) ‘T’ Bid Proforma as per **Appendix ‘A’ to Part II of the RFP**.
- (x) Compliance to technical specifications as per format at **Appendix ‘B’ to Part II of RFP**.
- (xi) **Appendix ‘C’ to part II of RFP**

(b) **Envelope No. B (Commercial Bids).** To contain only commercial bids including the cost of the proposed equipment and its associated electrical/installation works as per SORs for **‘Supply and Installation of Audio, Video Projection Acoustic System for AV room at Sainik School Kalikiri’**. No other document or new terms / conditions are to be attached in this bid. **(In the event of any terms / conditions in your commercial bid then the bid will be treated as null & void and shall be rejected outright).**

5. **Site Survey.** Comprehensive Site Survey is **suggested** for all the bidders who are participating in the bid, to fully understand buyer requirements and site conditions.

6. This RFP is being issued with no financial commitment and the Buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw the RFP, should it become necessary at any stage. Buyer deserves the right to take decision for undertaking AMC, post completion of guarantee/ warranty period.

7. It is requested that the sealed quotation addressed to the **Principal, Sainik School Kalikiri, Chittoor dist – 517 234** be either, dropped in the Tender Box, located at the Administrative Office, or sent by **registered post** to the aforementioned address, duly superscribed as mentioned at Para 4 above, so as to reach by the due date and time. **It may be noted that late receipt of bids view postal delay or any other reasons may render the bids invalid.**

(TK Sumesh)
Squadron Leader
Admin Officer

(To be signed & returned with the technical bid)

CERTIFICATE / UNDERTAKING BY THE BIDDER

1. It is certified that we, _____ (the company, consortium) have read and completely understood the entire Tender documents and its appendices along-with Annexure. Accordingly, we fully agree with all the terms and conditions and we will abide by them. We are also totally familiar with the conditions under which the work is to be performed including service conditions, availability of labour and materials, and we will not approach our client for raising project cost, post issue of purchase order or during the course of the project.
2. Therefore, it is further certified that any additional cost incurred / required to complete the project at Sainik School, Kalikiri would be borne by us. It is our responsibility and onus to propose and include any, and, all items required for a complete work whether or not it is identified or mentioned in the tendering documents or its attachments or enclosures or annexure.
3. We also agree to the Schedule of Requirement (SoR) being a general guideline and further agree to the Customer reducing / increasing the SOR in the supply order based on the survey etc., during the TNC/PNC stage.
4. All prices are landed costs (at Sainik School, Kalikiri), inclusive of all taxes, duties, levies, freight etc., in Indian Rupees.
5. "I/ we hereby certify that I/we will be responsible for all the contractual obligations including uninterrupted supply, quality aspect replacement of items, installation, commissioning and duly handing over of the entire equipment/ system after trials /testing and warranty/guarantee obligations". "Also that my/our firm has not been blacklisted/debarred for further business by any of the central/state Govt. or PSU/reputed agencies/bodies and my/our business records are absolutely clean and in order" and that we/are the law abiding citizen/firm of this democratic nation "INDIA". And that we are not involved in any anti national / anti-social/ terrorism activity and no such case has been filed/pending against us in any of the law enforcing body of Govt. of India/ State Govt. / any foreign country etc. Further to this I/we are not involved in any cases related to financial irregularities/frauds etc., in India/abroad.
6. I/ we further certify that I/we have gone through each and every clause of the tender document and have clearly understood these clauses. Implications of these clauses on the tender being submitted to Principal, Sainik School Kalikiri including the costing of each individual items have also been clearly understood.
7. I/ we certify that we unconditionally agree to various terms and conditions given in the tender document and we have not quoted any commercial terms/conditions or any clause in our 'Q' bid (Commercial bid) which can affect the cost of items quoted by us. We have read & clearly understood all the clauses of tender document.

8. Details of my bank account are as follows: - (Please attach a cancelled cheque for verification and to ensure that the amount is credited to your correct bank account)

- (a) Name of account :
- (b) Type of account :
- (c) Account No. :
- (d) MICR No. :
- (e) Bank Name :
- (f) Full postal address of the bank with pin code, Tel No., Fax No. :

9. Our/my contact details are as follows: -

- (a) Name of the contact person :
- (b) Designation :
- (c) Tel No. with STD code :
- (d) Fax No. with STD code :
- (e) Mobile No. :
- (f) E-Mail id :

10. Our/my income tax details are as follows

- (a) IT PAN card No. :
- (b) ITO ward circle :
- (c) Full postal address of the income tax Officer where your income tax return is filled:

Sign _____
 Name _____
 Designation _____
 Place _____

Company Rubber
 Stamp/Seal

Appendix 'B'
 (Refers to para
 4 [a(ix)])

(In original letter head of Manufacturer)

To

OEM AUTHORIZATION LETTER

Ref Tender No:

1. Whereas

.....(Name and address of the Manufacturer) who are established and manufacturers of(Name and description of the products), having production facilities at (Address of factory) do hereby authorize M/s (Name and address of the bidder) to submit a bid, and subsequently negotiate and sign the contract with you against Tender No.

_____ for the above products manufactured by us, for the supply requirement of the above invitation of bids.

2. We hereby extend full warranty for the products offered for supply by the above firm against the said tender and duly authorize the said firm to act on our behalf in fulfilling all installation, technical support and maintenance obligations as required by _____.

3. We hereby also declare that the product quoted against this tender is not end of life.

4. We also undertake to provide support directly / authorised partners to the **User / Sainik School Kalikiri** in case supplier, who originally supplied the equipment, defaults, for a 7 year period from the date of completion of warranty period.

Name:

(In capacity of)

(Duly authorized to sign the authorization on and behalf of)

Signature:

Dated this _____ day of _____ 20____

PART I OF RFP

GENERAL INFORMATION AND INSTRUCTIONS

1. **Last date and time for depositing the Bids. 15 Jun 18 at 1200h Noon.**
The sealed Bids (both Technical and Commercial) should be deposited/ by the due date and time. The responsibility to ensure submission of bids lies with the Bidder.
2. **Manner of depositing the Bids.** The Technical bid and the Commercial bid should be sealed by the bidder in separate covers duly super-scribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly super-scribed as '**Supply and Installation for Supply and Installation of Audio, Video Projection, Acoustic System for AV Room at Sainik School Kalikiri**'. Sealed Bids should be either dropped in the Tender Box or sent by registered post to the address **Principal, Sainik School Kalikiri, Chittoor dist – 517 234**, so as to reach by the due date and time. Late tenders will not be considered. No responsibility will be taken for postal delay or non-delivery/non-receipt of Bid documents. **Bids sent by FAX or e-mail will not be considered.**
3. **Time and date for opening of Bid. 15 Jun 1300h.** If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by the Buyer.
4. **Location of the Tender Box. Administrative Office, Sainik School Kalikiri – 517 234.** Only those Bids dropped in the correct tender box will be opened. Bids dropped in the wrong tender Box will be rendered invalid.
5. **Place of opening of the Bids. Administrative Office, Sainik School Kalikiri – 517 234.** The Bidders may attend or depute their representatives, duly authorized in writing, to attend opening of Bids on the due date and time. Rates and important commercial/technical clauses quoted by all Bidders will be read out in the presence of the representatives of all the Bidders. This event will not be postponed due to non-presence of your representative.
6. **Two Bid System.** Only the Technical Bid would be opened on the time and date mentioned above. **Date of opening of the Commercial Bid will be intimated after acceptance of the Technical Bids.** Commercial Bid of only those firms will be opened, whose Technical Bids are found compliant/suitable after Technical evaluation is done by the Buyer. Any postponement to the date of opening of the Technical Bid will be intimated to all concerned bidders whose bids are received in time. Any change to the last submission date, if admissible to the Buyer, will also be informed to all concerned bidders.
7. **Forwarding of Bids.** Bids should be forwarded by Bidders under their original memo / letter pad inter alia furnishing details like TIN number, GST/CST number, Bank address with EFT Account if applicable, etc., and complete postal & e-mail address of their office.
8. **Clarification regarding contents of the RFP.** A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Buyer in writing about the clarifications sought not later than 15 days prior to the

date of opening of bids. Copies of the query and clarification by the purchaser will be sent to all prospective bidders who have received the bidding documents. Further, during evaluation/comparison of bids, the Buyer may, at own discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.

9. **Modification and Withdrawal of Bids.** A bidder may modify or withdraw his bid after submission provided that the written notice for modification or withdrawal is received by the Buyer prior to deadline prescribed for submission of bids. A withdrawal notice may be sent by fax but it should be followed by a signed confirmatory copy to be sent by post and such signed confirmation should reach the purchaser not later than the deadline for submission of bids. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. **Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security/ EMD.**

10. **Rejection of Bids.** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected.

11. **Unwillingness to Quote.** Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of opening of the Bid, failing which the defaulting Bidder may be delisted for the given range of items as mentioned in this RFP.

12. **Validity of Bids.** The Bids should remain valid till **180 days from Tender opening date.**

13. **Earnest Money Deposit.** Bidders are required to submit Earnest Money Deposit (EMD) for amount of **Rs 50,000/-** along with their bids. The EMD may be submitted in the form of an Account Payee Demand Draft / Fixed Deposit Receipt, **Banker's Cheque or Bank Guarantee in favor of Principal, Sainik School, Kalikiri** from any of **the public sector banks** or a private sector bank authorized to conduct government business. EMD is to remain valid for a period of forty-five days beyond the final bid validity period. EMD is not required to be submitted by those bidders who are Registered with Central Purchase Organization (e.g DGS & D), NSIC or any department of MoD or MoD itself. The EMD will be forfeited if the bidder withdraws or amends, impair or derogates from the tender in any respect within the validity period of their tender.

14. **Pre-qualification Criteria.** The criteria for **short listing eligible participants** are as follows:-

- (a) Experience/Past performance on similar contracts viz., *Supply / Installation of AV Equipment for Sound & Projection System* in three years. To this effect, **past supply orders from institutes of repute** may be submitted.
- (b) Capabilities with respect to qualified personnel and equipment. To this effect details of manpower and qualified personnel (with qualification) in employment of the company shall be submitted.

- (c) Financial standing of the firm through latest IT returns, Annual report viz., audited balance sheet, Profit & Loss account, of last three years shall be submitted.
- (d) The Bidder has to disclose number of employees registered with ESI & EPF for last 3 years.(If applicable)
- (e) Firms with foreign collaboration and capacity to supply imported equipment may also apply. Certificate of foreign OEM stating as their distributor of equipment in India shall be submitted.
- (f) The Commissioning of the proposed AV equipment for the AV room shall be done by the OEM / OEM certified firm only. The OEM of major equipment shall submit a '*Commissioning Report*' under its letter-head with authorised signatory, as a proof.
- (g) The OEM shall be of international repute/ acclaimed manufacturer and supplier of similar equipment as per Schedule of Requirements (SoR's) with capability to execute work orders of similar or higher capacity.
- (h) Minimum average annual turnover of **50 lakhs** in the last three financial years as on 31 Mar 2018. Back up from the bankers/financial institutions for taking up high value orders is mandatory.

PART II OF REP

ESSENTIAL DETAILS OF ITEMS/SERVICES

1. **Scope of Work.** The minimum specified Scope of Work (SoW) to be undertaken by the bidder for **'Supply and Installation of Audio, Video Projection, Acoustic System for AV Room at Sainik School Kalikiri** and is to be performed as per the specifications and conditions mentioned in different parts of this document and further amendments, if any, issued in this regard and the Contract to be signed by the successful bidder, subsequently.

2. **Technical Details.**

(a) Technical specifications for the proposed AV Room and the accessories is placed at **Appendix 'A' to Part II of RFP** and the Technical Bid Proforma, as per format placed at **Appendix 'B' to Part II of RFP** shall be forwarded.

(b) **Build, Prove, Demonstrate, Operate.** The successful bidder will be responsible for complete integration, (Integration to be done as per requirement of the user) **proving, demonstration of equipment, and operation of the entire functionalities / features.**

(c) **Training.** Extensive and planned operator level training shall be imparted on each equipment to the personnel nominated by the User. The training will be held at Sainik School Kalikiri, Chittoor Dist. On completion of installation, the vendor, shall propose a schedule for theoretical and practical training schedule to the user. On confirmation of the same, qualified reps are to be deputed for imparting comprehensive training to personnel nominated by the User. The training, as per type of personnel and number of personnel required to be trained, would be specified by user. The training should be undertaken at least twice during warranty period for respective end users and should cover system design, installation, configuration, setup, administration, testing, management up gradation and basic maintenance of all the equipment (hardware and software) supplied. This training shall be held at the location (s) identified by user. In case the training is undertaken onsite, necessary classroom resources only would be provided by the user. The training modules and their duration shall be finalized in consultation with the user. The successful bidder shall impart hands on training with detailed course material on the installed system. This training should cover the day to day maintenance, management, and operations. The successful bidder shall also supply five copies of detailed training material to User/Sainik School Kalikiri, to enable them to train more number of personnel independently. If Sainik School Kalikiri feels that the proper training has not been imparted as per schedule and content, then decision may be taken to provide training to the personnel through third party. The cost incurred by Sainik School Kalikiri shall be reimbursed by the successful Bidder.

(d) **Technical documents.**

(i) The supplier shall provide a **QAP (Quality Assurance Plan)** before commencement of work and document all the installation and

commissioning procedures and provide the same to the purchaser post commissioning of the equipment/system.

(ii) Comprehensive user manual for configuring and exploiting the equipment/system, is required to be provided by the supplier. User Handbook/Operators Manual shall be in English.

(iii) Technical Manuals, consisting of Technical description, specifications, functioning of various components, inspection/maintenance tasks, basic fault diagnosis, minor repair procedures etc., is required to be provided.

(iv) As fitted schematic diagram, inclusive of AV wiring diagrams, of the complete system is required to be provided for future reference & repair.

3. **Two-Bid System**. In respect of two bid systems, Bidders are required to furnish clause by clause compliance of specification bringing out clearly the deviations from specification, if any. The Bidders are to submit the compliance statement in the format as per ***Appendix 'C' to Part II of RFP***, along-with Technical Bid.

4. **Delivery Period**. Delivery period for supply of items, installation, commissioning and training would be **45 days** from the effective date of contract/supply order. Please note that contract can be cancelled unilaterally by the Buyer in case the work is not received within the contracted delivery period. Extension of contracted delivery period will be at the sole discretion of the Buyer, within applicability of LD clause.

5. **Delivery Terms**.

- a. 'Supply and Installation of Audio, Video Projection, Acoustic System for AV Room at Sainik School Kalikiri' as per SOR shall be setup at Sainik School, Kalikiri within **45 days** from the date of supply order.
- b. The time mentioned includes the time required for delivery of equipment, installation, and testing, training, commissioning and final acceptance of items by the user.
- c. The contractor shall make delivery of the items only during the working hours of a working day. A suitable representative should be available at site to deliver the items.

6. **Consignee Details**. Sainik School Kalikiri, Chittoor Dist. Through **Principal, Sainik School Kalikiri, Chittoor dist – 517 234**.

Appendix 'A'
(Refers to Para 2(a) of Part II of RFP)

TECHNICAL SPECIFICATIONS

Project Name : AV system		
SL #	Description	Qty
Speakers		
1	6.5" design cabinet loudspeaker, 100v/60Watts or 16ohm/150Watts, wall bracket and safety chain included, black - priced per piece and sold in pairs only Recommend Make: Bose, Martin Audio, Apart	6
Power Amplifier		
2	SITC of Dual Channel Power amplifier 2 x 600Wattss @ 4Ohms, 2 X300 Wattss @ 8 Ohms, Built-in DSP with 10 Selectable presets, Class H Topology, Convection cooled, Hypex Inside, 2U 19" rackmount Recommend Make: Bose, Martin Audio, Apart	1

DSP		
3	<p>SITC of eight inputs that are selectable as line or mic level with phantom power and eight line level outputs. All signal processing, mixing and routing functions (including input gains) shall be controllable via software. Audio inputs and outputs shall be accessed via rear panel 3.81 mm terminal block connectors. The Graphical User Interface (GUI) software shall be installer programmable using the Windows® XP or higher operating system. Computer connection and control shall be via the device's rear panel Ethernet connector. The GUI shall provide the management of apps, device files and display and control of all signal processing and configuration functions including, but not limited to: Input and Output Gain • Highpass Filtering • Lowpass Filtering • FIR Filters • Crossovers • Parametric Equalization • Graphic Equalization • Expansion • De-Essing • Compression • Limiting • Automatic Gain Control • Ambient Noise Compensation • Feedback Elimination • Automatic Mixing • Priority Mixing • Signal Routing • Delay • Polarity. The front panel shall include input and output signal level indicators as well as indicators for POWER, NETWORK, and ARC. External control shall include preset selection as well as I/O level control and muting, and shall be via industry-standard CAT5 cable with RJ45 connectors using the optional ARC wall panel remote controls. All program memory shall be non-volatile and provide program security should power fail. The device shall provide an on board real time clock to facilitate automatic, timed changing of presets. Third-party control systems may interface over IP using a published ASCII control protocol. Audio conversion shall be 24-bit, 48 kHz. The dynamic range of the processor shall not be lower than 110 dB A-weighted. The device shall have a captive power input socket for an external 24 VDC supply. The device shall meet UL/CSA and CE safety requirements and comply with CE and FCC Part 15 emissions limits. The device shall be RoHS compliant. The chassis shall be constructed of cold rolled steel and moulded plastic, and mount into a standard 19" 1U EIA rack. Recommend Make: ClearOne, BIAMP, Symetrix</p>	1
4	<p>SITC of Digital Volume Controller With LED Display with 24 Programmeble Menu (Over Cable Cat 5/6) Compatible With DSP Processors. Recommend Make: ClearOne, BIAMP, Symetrix</p>	1

Microphones		
5	<p>SITC of Gooseneck microphone</p> <p>Frequency response : 50 Hz - 20 kHz,</p> <p>Pick-up pattern : cardioid,</p> <p>Maximum sound pressure level: 130 dB SPL,</p> <p>Impedance : < 100 Ohms,</p> <p>Base : 3pin XLR female with illuminated mute switch on unit,</p> <p>Base unit : configurable type. .</p> <p>Recommend Make: Beyerdynamic, Shure, Sennheiser</p>	1
6	<p>SITC of Wireless microphones :</p> <p>Lapel microphone Frequency Band : UHF</p> <p>Pickup pattern : omni direction.</p> <p>Frequency response : 50-16Khz,</p> <p>RF output : 10mW,</p> <p>Sensitivity : < 3 uV at 52 dB(A)rms, S/N</p> <p>Signal-to-noise ratio : ≥ 103 dBA,</p> <p>Operating time : Approx 10 hours, Frequency banks : 8,</p> <p>Receiver output interface : XLR and PHONO jack,</p> <p>Diversity reception : True diversity</p> <p>Recommend Make: Beyerdynamic, Shure, Sennheiser</p>	1

7	<p>SITC of Wireless microphones :</p> <p>Handheld Frequency Band : UHF</p> <p>Pickup pattern : Cardioid, Frequency response: 50-16Khz</p> <p>RF output : 10mW,</p> <p>Sensitivity : < 3 uV at 52 dB(A)rms S/N</p> <p>Signal-to-noise ratio : ≥ 103 dBA,</p> <p>Operating time : Approx 10 hours, Frequency banks : 8</p> <p>Receiver output interface : XLR and PHONO jack.</p> <p>Recommend Make: Beyerdynamic, Shure, Sennheiser</p>	1
Video		
8	<p>SITC of Projektor :</p> <p>Brightness is 3,300 ANSI-Lumens,</p> <p>Native Resolution is 1280 x 800,</p> <p>Max. Contrast is 15.000:1,</p> <p>Aspect Ratio is Physical 16:10,</p> <p>Lamp Type : 203 W, Lamp life is 4,500h,</p> <p>Warranty is 12 Months or 2000h.</p> <p>Recommend Make: Benq, Sony, Hitachi</p>	1
9	<p>SITC of Smart board is Scratch resistant ceramic surface for smooth writing and exceptional erasability, possible to fully erase the marking of Whiteboard marker pen on the surface using ethanol. Features like choose, pens, annotate, erase, color, shapes, sizes, text, Edit, fonts, stamp, move, capture, picture, video, save, Rotate, undo, image gallery, print, floating keyboard and Background etc.</p> <p>Recommend Make: Planner, Cybernetyx, Globus</p>	1

10	<p>SITC and designed to be used to capture annotations, object based presentation and also as a web camera and 4K, 3D Visual based teaching device, Annotation board and Teachers view camera. Frame of F=2.0, Frame rate of 60fps @1080p/Up to 30fps @4K, and 1/3.1" CMOS 13,000,000 pixels.</p> <p>Recommend Make: Samsung, Wolfvision, Elmo</p>	1
Digital Podium		
11	<p>SITC of Free standing floor mount digital podium with 19" capacitive touch screen, resolution 1280 X 1024 (SXGA) in built PC 3.2GHz processor, 3MB cache, 2GB RAM and 500GB HDD, windows 10SL, 1 year anti virus subscription, Annotation software Amplifier with 50 Watt RMS output, 2 external wall mount speaker, each rated 20watts RMS.</p> <p>Recommend Make: Planner, Cybernetyx, Globus</p>	1
Accessories		
12	<p>SITC of Projector mount is compatible with most short- and long-throw projectors; includes dual-stud short-throw extension arm.</p> <p>Recommend Make: Custom</p>	1
13	<p>SITC of HDMI over Single CAT 5 Extender enables an HDMI display to be located up to 100 meters away from the source device.</p> <p>Recommend Make: Kramer, Extron, Aten</p>	1
14	<p>SITC of HDMI Cable 2mtr is High Speed Ethernet provides an uncompressed, all-digital interface for both audio and video signals.</p> <p>Recommend make: Belden, Valueline, Bandridge</p>	2
15	<p>SITC of 2 core 1.5 sqmm shielded Speaker cable in Meter.</p> <p>Recommend make: Neutrik, Amphenol, Valueline</p>	200

16	SITC of 2 core shielded microphone cable in Meter. Recommend make: Neutrik, Valueline, Micon	50
17	SITC of 16U standard Rack with 2 power strips, with cooling fans Recommend make: nT, Valrack	1
18	SITC of Connectors lot. Recommend make: Custom	1

Note:

The vendors can quote any item which is at par or superior to that mentioned in the recommended makes. However the product should match to the required specification.

TECHNICAL BID FOR SUPPLY AND INSTALLATION OF AUDIO, VIDEO PROJECTION & ACOUSTIC SYSTEM FOR AV ROOM AT SAINIK SCHOOL KALIKIRI

Note:

1. The following information is to be forwarded in writing on this format only, failing which your 'Q' Bid is likely to be **rejected**.
2. It is **mandatory** to accept serial No 2 to 14 & 21 to 24 below.
3. It is mandatory to submit all documents as per serial No. 15 to 20 below.
3. It is expected that you will offer the item as per our specification.
Date of opening of 'Q' bid will be intimated after acceptance of your 'T' bid by the tender
4. Opening Committee and bringing
all the firms at par w.r.t. the user requirement.

Ser	Taxes / Other Charges	Included	Extra
1	Other Charges such as Packing and forwarding charges, Transportation, Taxes, Duties, etc included in Price bid		
	Terms and Conditions	Accepted	Not Accepted
2	Acceptance of complete SoR		
3	Delivery Schedule		
4	Warranty period/AMC clause		
5	Inspection terms		
6	Payment terms		
7	Liquidated damages @ 0.5% per week to a maximum of 10% of order value		
8	Specification of items		
9	Submission of Performance Bank Guarantee to cover 60 days beyond warranty period.		
10	Option Clause		
11	Repeat Order Clause		
12	Fall Clause		
13	Product support Clause		
14	Risk & Expense Clause		
	Docu ment	Attach ed	Not Attache d
15	Original Tender document duly signed on each page		
16	Technical details of items offered as per Appendix A to Part II of RFP		
17	Certificate from OEM for participation in the tender		
18	Undertaking certificate (Appendix 'A' to RFP)		
19	Name and full address of Banker		
20	Manufactures Authorization Letter (Appendix 'B' to Part I of RFP)		
	Miscellan eous	Ye s	No
21			
22	Undertaken site survey		
23	Quoted for all items in 'Q' Bid		
24	This offer is valid up to _____ (should remain valid for 180 days from 'T')	bid opening date)	

Certified that: -

Earnest Money Deposit by way of fixed deposit receipt/Banker's cheque/
Bank Guarantee Ref.....dated.....

(or)

NSIC/DGS&D Registration certificate attached.

Signature of firm:
(with seal and date)

(To be filled & returned with the technical bid)
 Para 3 of Part II of RFP)

Appendix "C"
 (Refers to

TECHNICAL SPECIFICATIONS COMPLIANCE STATEMENT

Project Name : AV system			Compliance to RFP Specification Yes/No	In case of Non-compliance, deviation from RFP to be specified in unambiguous terms
SL #	Description	Qty		
	Speakers			
1	6.5" design cabinet loudspeaker, 100v/60Watts or 16ohm/150Watts, wall bracket and safety chain included, black - priced per piece and sold in pairs only	6		
	Power Amplifier			
2	SITC of Dual Channel Power amplifier 2 x 600Wattss @ 4Ohms, 2 X300 Wattss @ 8 Ohms, Built-in DSP with 10 Selectable presets, Class H Topology, Convection cooled, Hypex Inside, 2U 19" rackmount	1		

DSP				
3	<p>SITC of eight inputs that are selectable as line or mic level with phantom power and eight line level outputs. All signal processing, mixing and routing functions (including input gains) shall be controllable via software. Audio inputs and outputs shall be accessed via rear panel 3.81 mm terminal block connectors. The Graphical User Interface (GUI) software shall be installer programmable using the Windows® XP or higher operating system. Computer connection and control shall be via the device's rear panel Ethernet connector. The GUI shall provide the management of apps, device files and display and control of all signal processing and configuration functions including, but not limited to: Input and Output Gain • Highpass Filtering • Lowpass Filtering • FIR Filters • Crossovers • Parametric Equalization • Graphic Equalization • Expansion • De-Essing • Compression • Limiting • Automatic Gain Control • Ambient Noise Compensation • Feedback Elimination • Automatic Mixing • Priority Mixing • Signal Routing • Delay • Polarity. The front panel shall include input and output signal level indicators as well as indicators for POWER, NETWORK, and ARC. External control shall include preset selection as well as I/O level control and muting, and shall be via industry-standard CAT5 cable with RJ45 connectors using the optional ARC wall panel remote controls. All program memory shall be non-volatile and provide program security should power fail. The device shall provide an on board real time clock to facilitate automatic, timed changing of presets. Third-party control systems may interface over IP using a published ASCII control protocol. Audio conversion shall be 24-bit, 48 kHz. The dynamic range of the processor shall not be lower than 110 dB A-weighted. The device shall have a captive power input socket for an external 24 VDC supply. The device shall meet UL/CSA and CE safety requirements and comply with CE and FCC Part 15 emissions limits. The device shall be RoHS compliant. The chassis shall be constructed of cold rolled steel and moulded plastic, and mount into a standard 19" 1U EIA rack.</p>	1		
4	<p>SITC of Digital Volume Controller With LED Display with 24 Programmeble Menu (Over Cable Cat 5/6) Compatible With DSP Processors.</p>	1		

Microphones				
5	SITC of Gooseneck microphone Frequency response : 50 Hz - 20 kHz, Pick-up pattern : cardioid, Maximum sound pressure level: 130 dB SPL, Impedance : < 100 Ohms, Base unit, : 3pin XLR female with illuminated mute switch on type. . Base unit : configurable	1		
6	SITC of Wireless microphones : Lapel microphone Frequency Band : UHF Pickup pattern : omni direction. Frequency response : 50-16Khz, RF output : 10mW, Sensitivity : < 3 uV at 52 dB(A)rms, S/N Signal-to-noise ratio : ≥ 103 dBA, Operating time : Approx 10 hours, Frequency banks : 8, Receiver output interface : XLR and PHONO jack, Diversity reception : True diversity	1		

7	<p>SITC of Wireless microphones :</p> <p>Handheld Frequency Band : UHF</p> <p>Pickup pattern : Cardioid, Frequency response: 50-16Khz</p> <p>RF output : 10mW,</p> <p>Sensitivity : < 3 uV at 52 dB(A)rms S/N</p> <p>Signal-to-noise ratio : ≥ 103 dBA,</p> <p>Operating time : Approx 10 hours, Frequency banks : 8</p> <p>Receiver output interface : XLR and PHONO jack.</p>	1		
Video				
8	<p>SITC of Projektor :</p> <p>Brightness is 3,300 ANSI-Lumens,</p> <p>Native Resolution is 1280 x 800,</p> <p>Max. Contrast is 15.000:1,</p> <p>Aspect Ratio is Physical 16:10,</p> <p>Lamp Type : 203 W, Lamp life is 4,500h,</p> <p>Warranty is 12 Months or 2000h.</p>	1		
9	<p>SITC of Smart board is Scratch resistant ceramic surface for smooth writing and exceptional erasability, possible to fully erase the marking of Whiteboard marker pen on the surface using ethanol. Features like choose, pens, annotate, erase, color, shapes, sizes, text, Edit, fonts, stamp, move, capture, picture, video, save, Rotate, undo, image gallery, print, floating keyboard and Background etc.</p>	1		

10	SITC and designed to be used to capture annotations, object based presentation and also as a web camera and 4K, 3D Visual based teaching device, Annotation board and Teachers view camera. Frame of F=2.0, Frame rate of 60fps @1080p/Up to 30fps @4K, and 1/3.1" CMOS 13,000,000 pixels.	1		
Digital Podium				
11	SITC of Free standing floor mount digital podium with 19" capacitive touch screen, resolution 1280 X 1024 (SXGA) in built PC, 3.2GHz processor, 3MB cache, 2GB RAM and 500GB HDD, windows 10SL, 1 year anti virus subscription, Annotation software Amplifier with 50 Watt RMS output, 2 external wall mount speaker, each rated 20watts RMS.	1		
Accessories				
12	SITC of Projector mount is compatible with most short- and long-throw projectors; includes dual-stud short-throw extension arm.	1		
13	SITC of HDMI over Single CAT 5 Extender enables an HDMI display to be located up to 100 meters away from the source device.	1		
14	SITC of HDMI Cable 2mtr is High Speed Ethernet provides an uncompressed, all-digital interface for both audio and video signals.	2		

15	SITC of 2 core 1.5 sqmm shielded Speaker cable in Meter.	200		
16	SITC of 2 core shielded microphone cable in Meter.	50		
17	SITC of 16U standard Rack with 2 power strips, with cooling fans	1		
18	SITC of Connectors lot.	1		
	Acoustical Wall Panel:	Sq.Ft.		
19	Provision and fixing of 50x50mm GI Channel or Aluminum framework with every 600mm interval (horizontal and vertical) with 50mm thick Acoustical polyester insulation or sound synth insulation and finished with perforated wooden finish of approved color. (area as shown in the drawing) Approved make : Anutone, Armstrong	1216		
	Ceiling Grid tiles			
20	Provision and fixing 600x600mm (0.7NRC) ceiling grid tiles (White Color) with necessary frame work and support. (Make Armstrong or Equivalent) (area as shown in the drawing) Approved make : Anutone, Armstrong	1305		
	Skirting			
21	Ply wood skirting with veneer finishing up to 6 " height, Approved make : Custom.	456		
	Curtains	150		
22	Window curtains 6'X5' Poly cotton colour will be select by client. Approved make : Custom			

PART III OF RFP

STANDARD CONDITIONS

The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of the Bid submitted by the Bidder.

1. **Law.** The Contract shall be considered and made in accordance with the laws of the Republic of India. The contract shall be governed by and interpreted in accordance with the laws of the Republic of India.
2. **Effective Date of the Contract.** The contract shall come into effect on the date on which supply order is placed (i.e, date of signing of supply order) and shall remain valid until the completion of the obligations of the parties under the contract. The deliveries and supplies and Performance of the services shall commence from the effective date of the contract.
3. **Arbitration.** All disputes or differences arising out of or in connection with the Contract shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the Contract or relating to construction or Performance, which cannot be settled amicably, may be resolved through arbitration. The standard clause of arbitration is as per Forms DPM-7, DPM-8 and DPM-9 (Available in MoD website and can be provided on request). Final decision will be of the Principal, Sainik School Kalikiri.
4. **Penalty for use of Undue influence.** The Seller undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favour or disfavour to any person in relation to the present Contract or any other Contract with the Government of India. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/employee of the Buyer or to any other person in a position to influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability/penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.
5. **Agents/ Agency Commission.** The Seller confirms and declares to the Buyer that the Seller is the original manufacturer of the stores/provider of the services referred to in this Contract and has not engaged any individual or firm, whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, to the award of the contract to the Seller; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Seller agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later

stage it is discovered by the Buyer that the Seller has engaged any such individual/firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this contract, the Seller will be liable to refund that amount to the Buyer. The Seller will also be debarred from entering into any supply Contract with the Government of India for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Contract either wholly or in part, without any entitlement or compensation to the Seller who shall in such an event be liable to refund all payments made by the Buyer in terms of the Contract along with interest at the rate of 2% per annum above LIBOR rate. The Buyer will also have the right to recover any such amount from any contracts concluded earlier with the Government of India.

6. **Access to Books of Accounts**. In case it is found to the satisfaction of the Buyer that the Seller has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the Seller, on a specific request of the Buyer, shall provide necessary information/inspection of the relevant financial documents/information.

7. **Non-disclosure of Contract Documents**. Except with the written consent of the Buyer/Seller, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

8. **Liquidated Damages.** In the event of the Seller's failure to submit the Bonds, Guarantees and Documents, supply the stores/goods and conduct trials, installation of equipment etc., as specified in this contract, the Buyer may, at his discretion, withhold any payment until the completion of the contract. The BUYER may also deduct from the SELLER as agreed, liquidated damages to the sum of 0.5% of the contract price of the delayed/undelivered stores/services mentioned above for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not higher than 10% of the value of delayed stores/ services.

9. **Termination of Contract.** The Buyer shall have the right to terminate this Contract in part or in full in any of the following

cases:-

- (a) The delivery of the material is delayed for causes not attributable to Force Majeure for more than 60 days after the scheduled date of delivery.
- (b) The Seller is declared bankrupt or becomes insolvent.
- (c) The delivery of material is delayed due to causes of Force Majeure, by more than three months, provided Force Majeure clause is included in contract.
- (d) The Buyer has noticed that the Seller has utilised the services of any Indian/Foreign agent in getting this contract and paid any commission to such individual/company etc.
- (e) As per decision of the Arbitration Tribunal.

10. **Notices.** Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by FAX or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is sent.

11. **Transfer and Sub-letting.** The Seller has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

12. **Patents and other Industrial Property Rights.** The prices stated in the present Contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered charges, trademarks and payments for any other industrial property rights. The Seller shall indemnify the Buyer against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or use. The Seller shall be responsible for the completion of the supplies including spares, tools, technical literature and training aggregates irrespective of the fact of infringement of the supplies, irrespective of the fact of infringement of any or all the rights mentioned above.

13. **Amendments.** No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

14. **Taxes and Duties.**

(a) **General.**

(i) Bidders must indicate separately the relevant Taxes/Duties likely to be paid in connection with delivery of completed goods specified in RFP. In absence of this, the total cost quoted by them in their bids will be taken into account in the ranking of bids.

(ii) If a Bidder is exempted from payment of any duty / tax upto any value of supplies from them, he should clearly state that no such duty / tax will be charged by them up to the limit of exemption which they may have. If any concession is

available in regard to rate / quantum of any Duty/tax, it should be brought out clearly. In such cases, relevant certificate will be issued by the Buyer later to enable the Seller to obtain exemptions from taxation authorities.

(iii) Any changes in levies, taxes and duties levied by Central / State / Local governments such as excise duty, GST, Service Tax, Octroi /entry tax, etc. on final product upward as a result of any statutory variation taking place within contract period shall be allowed reimbursement by the Buyer, to the extent of actual quantum of such duty/ tax paid by the Seller, Similarly, in case of downward revision in any such duty/ tax, the actual quantum of reduction of such duty/ tax shall be reimbursed to the Buyer by the Seller. All such adjustments shall include all reliefs, exemptions, rebates, concession etc., if any, obtained by the Seller. Section 64-A of Sales of Goods Act will be relevant in this situation.

(iv) Levies, taxes and duties levied by Central / State / Local governments such as excise duty, GST, Service Tax, Octroi /entry tax, etc. on final product will be paid by the Buyer on actuals, based on relevant documentary evidence.

(v) Taxes and duties on input items will not be paid by Buyer and they may not be indicated separately in the bids. Bidders are required to include the same in the pricing of their product.

(b) **Customs Duty.**

(i) For imported stores offered against forward delivery, the Bidder shall quote prices thereof exclusive of customs duty. The Bidder shall specify separately the C.I.F. prices and total amount of customs duty payable. They will also indicate correctly the rate of customs duty applicable along with Indian Customs Tariff Number. Customs duty as actually paid will be reimbursed on production of necessary documents i.e. (i) Triplicate copy of the bill of entry;

(ii) copy of bill of lading; (iii) a copy of foreign principal's invoice. However, if the Bidder imports the stores in question against his own commercial quota Import Licenses, he will also be required to submit in addition the triplicate copy of bills of entry etc., a certificate from his Internal Auditor on the bill itself, to the effect that the following items/quantity in the bill of entry related to the stores imported against Defence Buyer contract number.

(ii) Subsequent to the reimbursement of customs duty, the Bidder will submit to the concerned Payment Authority a certificate to the effect that he has not obtained any refund of customs duty subsequent to the payment of duty to the Customs authority by him. In addition, he shall also submit to the Paying Authority concerned a certificate immediately after a period of three months from the date of payment of the duty to customs authorities to the effect that he has not applied for refund of the customs duty subsequent to the payment of duty to the customs authorities by him.

(iii) In case the Bidder obtains any refund of customs duty, subsequently to the payment of the same by him to the customs authorities and reimbursement of the customs duty to him by the Payment Authority, he should forthwith furnish the details of the refund obtained and afford full credit of the same to the Buyer.

(c) **Excise Duty.**

(i) Where the excise duty is payable on advalorem basis, the Bidder should submit along with the tender, the relevant form and the Manufacturer's price list

showing the actual assessable value of the stores as approved by the Excise authorities.

(ii) Bidders should note that in case any refund of excise duty is granted to them by Excise authorities in respect of Stores supplied under the contract, they will pass on the credit to the Buyer immediately along with a certificate that the credit so passed on relates to the Excise Duty, originally paid for the stores supplied under the contract. In case of their failure to do so, within 10 days of the issue of the excise duty refund orders to them by the Excise Authorities the Buyer would be empowered to deduct a sum equivalent to the amount refunded by the Excise Authorities without any further reference to them from any of their outstanding bills against the contract or any other pending Government Contract and that no disputes on this account would be raised by them.

(iii) The Seller is also required to furnish to the Paying Authority the following certificates:-

(aa) Certificate with each bill to the effect that no refund has been obtained in respect of the reimbursement of excise duty made to the Seller during three months immediately preceding the date of the claim covered by the relevant bill.

(ab) Certificate as to whether refunds have been obtained or applied for by them or not in the preceding financial year after the annual Audit of their accounts also indicating details of such refunds/applications, if any.

(ac) A certificate along with the final payment bills of the Seller to the effect whether or not they have any pending appeal/protest for refund or partial refund of excise duties already reimbursed to the Seller by the Government pending with the Excise authorities and if so, the nature, the amount involved, and the position of such appeals.

(ad) An undertaking to the effect that in case it is detected by the Government that any refund from Excise Authority was obtained by the Seller after obtaining reimbursement from the Paying Authority, and if the same is not immediately refunded by the Seller to the Paying Authority giving details and particulars of the transactions, Paying Authority will have full authority to recover such amounts from the Seller's outstanding bills against that particular contract or any other pending Government contracts and that no dispute on this account would be raised by the Seller.

(iv) Unless otherwise specifically agreed to in terms of the contract, the Buyer shall not be liable for any claim on account of fresh imposition and/or increase of Excise Duty on raw materials and/or components used directly in the manufacture of the contracted stores taking place during the pendency of the contract.

(d) **Sales Tax / GST.**

(i) If it is desired by the Bidder to ask for Sales tax / GST to be paid as extra, the same must be specifically stated. In the absence of any such stipulation in the bid, it will be presumed that the prices quoted by the Bidder are inclusive of sales tax and no liability of sales tax will be developed upon the Buyer.

(ii) On the Bids quoting sales tax extra, the rate and the nature of Sales Tax applicable at the time of supply should be shown separately. Sales tax will be paid to the Seller at the rate at which it is liable to be assessed or has actually been

assessed provided the transaction of sale is legally liable to sales tax and the same is payable as per the terms of the contract.

(e) **Octroi Duty & Local Taxes.**

(i) Normally, materials to be supplied to Government Departments against Government Contracts are exempted from levy of town duty, Octroi Duty, Terminal Tax and other levies of local bodies. The local Town/Municipal Body regulations at times, however, provide for such Exemption only on production of such exemption certificate from any authorised officer. Seller should ensure that stores ordered against contracts placed by this office are exempted from levy of Town Duty/Octroi Duty, Terminal Tax or other local taxes and duties. Wherever required, they should obtain the exemption certificate from the Buyer, to avoid payment of such local taxes or duties.

(ii) In case where the Municipality or other local body insists upon payment of these duties or taxes the same should be paid by the Seller to avoid delay in supplies and possible demurrage charges. The receipt obtained for such payment should be forwarded to the Buyer without delay together with a copy of the relevant act or by-laws/notifications of the Municipality of the local body concerned to enable him to take up the question of refund with the concerned bodies if admissible under the said acts or rules.

PART IV OF RFP

SPECIAL CONDITIONS

The Bidder is required to give confirmation of their acceptance of Special Conditions of the RFP mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of Bid submitted by the Bidder.

1. **Performance Bank Guarantee.** The Bidder will be required to furnish a Performance Bank Guarantee in favour of The Principal, Sainik School Kalikiri by way of Bank Guarantee **only through a public sector bank** for a sum equal to 10% of the contract value within 30 days of receipt of the confirmed order. Performance Bank Guarantee should be valid up to 60 days beyond the date of warranty.
2. **Option Clause.** The contract will have an *Option Clause*, wherein the Buyer can exercise an option to procure an additional 50% of the original contracted quantity in accordance with the same terms & conditions of the present contract. This will be applicable within the currency of contract. The Bidder is to confirm the acceptance of the same for inclusion in the contract. It will be entirely the discretion of the Buyer to exercise this option or not.
3. **Repeat Order Clause.** The contract will have a *Repeat Order Clause*, wherein the Buyer can order up to 50% quantity of the items under the present contract within six months from the date of supply/ successful completion of this contract, the cost, terms & conditions remaining the same. The Bidder is to confirm acceptance of this clause. It will be entirely the discretion of the Buyer to place the Repeat order or not.
4. **Tolerance Clause.** To take care of any change in the requirement during the period starting from issue of RFP till placement of the contract, Buyer reserves the right to 50% plus/minus increase or decrease the quantity of the required goods up to that limit without any change in the terms & conditions and prices quoted by the Seller. While awarding the contract, the quantity ordered can be increased or decreased by the Buyer within this tolerance limit.
5. **Payment terms.** The payment will be made in maximum of two stages (for each lot) through Administrative Officer as per the following terms, on production of the requisite documents:
 - (a) **Stage 1.** 70% payment of the value of items delivered on completion of delivery, duly verified as per specifications, and custody certificate from user and PBG as per supply order terms and conditions. ***Payment will be restricted to a maximum of three lots under this stage.*** Receipt of PBG within 30 days of receipt of confirmed order, is mandatory for payment.
 - (b) **Stage 2.** 30% payment of total contract value on satisfactory completion of assembling, installation, commissioning, training, and acceptance of complete set of equipment, as per Supply Order against user acceptance certificate/ work completion certificate from the user and on submission of Operating/Technical Manual and warranty.
6. **Advance Payments.** **No advance payment (s) will be made.**

7. **Paying Authority.** Administrative Officer, Sainik School Kalikiri. The payment of bills will be arranged in stages as indicated above on submission of the following documents by the Seller to Administrative Officer, Sainik School Kalikiri along with the bill:-

- (a) Ink-signed copy of contingent bill / Seller's bill.
- (b) Ink-signed copy of Commercial invoice / Seller's bill.
- (c) Inspection note.
- (d) Claim for statutory and other levies to be supported with requisite documents / proof of payment such as Excise duty challan, Customs duty clearance certificate, Octroi receipt, proof of payment for EPF/ ESIC contribution with nominal roll of beneficiaries, etc as applicable.
- (e) Exemption certificate for Excise duty / Customs duty, if applicable.
- (f) Guarantee / Warranty certificate.
- (h) Performance Bank guarantee / Indemnity bond, where applicable.
- (j) Details for electronic payment viz., Account holder's name, Bank name, Branch name and address, Account type, Account number, IFSC code, MICR code (if these details are not incorporated in supply order/contract).
- (k) Any other document / certificate that may be provided for in the Supply Order / Contract.
- (l) Acceptance Certificate from maintenance agency.

8. **Fall Clause.** The following *Fall clause* will form part of the contract placed on successful Bidder:-

- (a) The price charged for the equipment supplied under the contract by the Seller shall in no event exceed the lowest prices at which the Seller sells the equipment or offer to sell equipment of identical description to any persons/ Organisation including the purchaser or any Department of the Central Government or any Department of State Government or any statutory undertaking of the central or state government as the case may be during the period till performance of all supply Orders placed during the currency of the contract is completed.
- (b) If at any time, during the said period the Seller reduces the sale price, sells or offer to sell such equipment to any person/ organisation including the Buyer or any Department of Central Government or any Department of the State Government or any statutory undertaking of the central or state government as the case may be at a price lower than the price chargeable under the contract, they shall forthwith notify such reduction or sale or offer of sale to the Principal, Sainik School Kalikiri and the price payable under the contract for the equipment of such reduction of sale or offer of the sale shall stand correspondingly reduced.

9. **Risk & Expense Clause.**

- (a) Should the equipment or any installment thereof not be delivered within the time or times specified in the contract documents, or if defective delivery is made in respect of the equipment or any installment thereof, the Buyer shall after granting the Seller 45 days for rectification, be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.

(b) Should the equipment or any installment thereof not perform in accordance with the specifications / parameters provided by the SELLER during the check proof tests, the BUYER shall be at liberty, without prejudice to any other remedies for breach of contract, to cancel the contract wholly or to the extent of such default.

(c) In case of a material breach that was not remedied within 45 days, the BUYER shall, having given the right of first refusal to the SELLER be at liberty to purchase, or procure from any other source as he thinks fit, other stores of the same or similar description to make good:-

(i) Such default.

(ii) In the event of the contract being wholly determined the balance of the stores remaining to be delivered thereunder.

(d) Any excess of the purchase price, cost of manufacturer, or value of any stores procured from any other supplier as the case may be, over the contract price appropriate to such default or balance shall be recoverable from the SELLER.

10. **Force Majeure.**

(a) Neither party shall bear responsibility for the complete or partial non- performance of any of its obligations (except for failure to pay any sum which has become due on account of receipt of equipment under the provisions of the present contract), if the non-performance results from such Force Majeure circumstances as Flood, Fire, Earth Quake and other acts of God as well as War, Military operation, blockade, Acts or Actions of State Authorities or any other circumstances beyond the parties control, that have arisen after the conclusion of the present contract.

(b) In such circumstances the time stipulated for the performance of an obligation under the present contract is extended correspondingly for the period of time of action of these circumstances and their consequences.

(c) The party for which it becomes impossible to meet obligations under this contract due to Force Majeure conditions, is to notify in written form the other party of the beginning and cessation of the above circumstances immediately, but in any case not later than 10 (Ten) days from the moment of their beginning.

(d) Certificate of a Chamber of Commerce (Commerce and Industry) or other competent authority or organization of the respective country shall be a sufficient proof of commencement and cessation of the above circumstances.

(e) If the impossibility of complete or partial performance of an obligation lasts for more than 6 (six) months, either party hereto reserves the right to terminate the contract totally or partially upon giving prior written notice of 30 (thirty) days to the other party of the intention, to terminate without any liability other than reimbursement on the terms provided in the agreement for the equipment received.

11. **Specification.** The following Specification clause will form part of the contract placed on successful Bidder:-

“The Seller guarantees to meet the specifications as per Part-II of RFP and to incorporate the modifications to the existing design configuration to meet the specific requirement of the Buyer. All technical literature and drawings shall be amended as the modifications by the Seller before supply to the Buyer. The Seller, in consultation with the Buyer, may carry out technical upgradation / alterations in the design, drawings and specifications due to change in manufacturing procedures, indigenisation or obsolescence. This will, however, not in any way, adversely affect the end specifications of the equipment. Changes in technical details, drawings, repair and maintenance techniques along-with necessary tools as a result of upgradation/alterations will be provided to the Buyer free of cost within 15 days of affecting such upgradation/alterations.”

12. **Earliest Acceptable Year of Manufacture.** Earliest acceptable year of Manufacture is 2016 / latest models/versions available at the time of conclusion of contract.

13. **OEM Certificate.**In case the Bidder is not the OEM, the agreement certificate (**Appendix “B” to covering letter of RFP**) with the OEM for sourcing the spares shall be mandatory. However, where OEMs do not exist, minor aggregates and spares can be sourced from authorized vendors subject to quality certification.

14. **Transportation.** The item is to be delivered door delivery basis at Sainik School Kalikiri, Kalikiri.

15. **Packing and Marking Clause.** ‘The Seller shall provide packing and preservation of the equipment contracted so as to ensure their safety against damage in the conditions of transshipment, storage and weather hazards during transportation’.

16. **Quality.** The quality of the items delivered according to the present Contract shall correspond to the technical specifications enumerated as per RFP and shall also include therein modification to the equipment suggested by the Buyer. Such modifications will be mutually agreed to. The Seller confirms that the equipment to be supplied under this Contract shall be new i.e. not manufactured before 2016 and shall incorporate all the latest improvements and modifications thereto.

17. **Quality Assurance.** Seller would provide the Standard Acceptance Test Procedure (ATP) within one month of this date of contract. Buyer reserves the right to modify the ATP. Seller would be required to provide all test facilities at his premises for acceptance and inspection by Buyer. The details in this regard will be coordinated during the negotiation of the contract. The item should be of the latest manufacture, conforming to the current production standard and having 100% defined life at the time of delivery.

18. **Inspection Authority.** The Inspection will be carried out by Board appointed by Principal, Sainik School Kalikiri. Upon satisfactory completion of installation / commissioning / integration, work completion certificate will be issued by the user/Sainik School Kalikiri.

19. **Claims.** The following Claims clause will form part of the contract placed on successful Bidder:-

(a) The claims may be presented either:

(i) On quantity of the equipment, where the quantity does not correspond to the quantity shown in the Packing List/Insufficiency in packing,

- (ii) On quality of the equipment, where quality does not correspond to the quality mentioned in the contract.
- (b) The quantity claims for deficiency of quantity shall be presented within 45 days of acceptance of equipment. The quantity claim shall be submitted to the Seller as per Form DPM-22 (available in MoD website and can be given on request).
- (c) The quality claims for defects or deficiencies in quality noticed, shall be presented within 45 days of acceptance of equipment. Quality claims shall be presented for defects or deficiencies in quality noticed during warranty period earliest but not later than 45 days after expiry of the guarantee period. The quality claims shall be submitted to the Seller as per Form DPM-23 (available in MoD website and can be given on request).
- (d) The description and quantity of the equipment are to be furnished to the Seller along with concrete reasons for making the claims. Copies of all the justifying documents shall be enclosed to the presented claim. The Seller will settle the claims within 45 days from the date of the receipt of the claim at the Seller's office, subject to acceptance of the claim by the Seller. In case no response is received during this period the claim will be deemed to have been accepted.
- (e) The Seller shall collect the defective or rejected equipment from the location nominated by the Buyer and deliver the repaired or replaced AC at the same location under Seller's arrangement.
- (f) Claims may also be settled by reduction of cost of equipment under claim from bonds submitted by the Seller or payment of claim amount by Seller through demand draft drawn on an Indian Bank, in favour of Principal Controller/Controller of Defence Accounts concerned.
- (g) The quality claims will be raised solely by the Buyer and without any certification/countersignature by the Seller's representative.
20. **Warranty.** The following Warranty will form part of the contract placed on successful Bidder:-
- (a) The Seller warrants that the equipment supplied under the contract conform to technical specifications prescribed and shall perform according to the said technical specifications.
- (b) The Seller warrants for a period of **12 months** onsite warranty from the date of acceptance of items by the Board (Inspecting Authority) or date of installation and commissioning, whichever is later, that the goods/stores supplied under the contract and each component used in the manufacture thereof shall be free from all types of defects/failures.
- (c) If within the period of warranty, the equipment are reported by the Buyer to have failed to perform as per the specifications, the Seller shall either replace or rectify the same free of charge, within a **maximum period of 02 days** of notification of such defect received by the Seller, provided that the items are used and maintained by the Buyer as per instructions. Warranty of the equipment would be extended by such duration of downtime. Record of the down time would be maintained by the user in the logbook. Spares required for warranty repairs shall be provided free of cost by the Seller. The Seller also undertakes to diagnose, test, adjust, calibrate and repair/replace the goods/equipment arising due to accidents by neglect or misuse by the operator or damage due to transportation of the goods during the warranty period, at the cost mutually agreed to between the Buyer and the Seller.
- (d) The Seller also warrants that necessary service and repair back up during the warranty period of the equipment shall be provided by the Seller and he will ensure that the downtime is below 5% of the warranty period.

(e) If a particular item fails frequently and/or, the cumulative down time exceeds 10% of the warranty period, the complete item shall be replaced free of cost by the Seller within a stipulated period of 10 days of receipt of the notification from the Buyer. Warranty of the replaced item would start from the date of installation and commissioning.

21. **Product Support.** The following Product Support clause will form part of the contract placed on successful Bidder:-

(a) The Seller agrees to provide Product Support for the entire equipment, assemblies/subassemblies supplied under this contract including those items that are subcontracted from other agencies/ manufacturer by the Seller, for a maximum period of 7 years including 01 year of warranty period after the completion of installation / commissioning.

(b) In the event of any obsolescence during the above mentioned period of product support in respect of any equipment or sub-system, mutual consultation between the Seller and Buyer will be undertaken to arrive at an acceptable solution including additional cost, if any.

(c) Any improvement/modification/ upgradation being undertaken by the Seller or their sub suppliers on the /equipment being purchased under the Contract will be communicated by the Seller to the Buyer and, if required by the Buyer these will be carried out by the Seller at Buyer's cost.

PART V OF RFP

EVALUATION CRITERIA AND FORMAT OF PRICE BIDS

1. **Evaluation Criteria.** The broad guidelines for evaluation of Bids will be as follows:-

- (a) Only those Bids will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the RFP, both technically and commercially.
- (b) The technical Bids forwarded by the Bidders will be evaluated by the Buyer with reference to the technical characteristics of the items as mentioned in the RFP. The compliance of Technical Bids would be determined on the basis of the parameters specified in the RFP. The Price Bids of only those Bidders will be opened whose Technical Bids would clear the technical evaluation.
- (c) **Determination of L1.** The L1 will be determined based on the Lowest Acceptable Bid for '**Supply and Installation of Audio, Video Projection, & Acoustic System for AV Room at Sainik School Kalikiri**'. The Buyer will have the right to award contracts to different Bidders for being lowest in particular items. The Buyer also reserves the right to do Apportionment of Quantity, if it is convinced that Lowest Bidder is not in a position to supply full quantity in stipulated time. Price negotiation if considered necessary will be done with L1 firm only. On completion of the warranty period, AMC would be subsequently concluded at the sole discretion of User/Sainik School Kalikiri.
- (d) **Price Bid Format.** The Price Bid format is placed at **Appendix 'A' to Part V of RFP**. Bidders are required to fill this up correctly with full details stating separately each component viz., basic price, customs duty, excise duty, GST / CST, and other charges, if any, as per price bid. In cases where indigenous Bidders are competing, L1 bidder will be determined by including levies, taxes and duties levied by Central / State / Local governments such as excise duty, GST, Service tax, Octroi / entry tax, etc., on final product, as quoted by bidders.
- (e) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.

Appendix "E"

(Refers to Para 1(d) to Part V of RFP)

COMMERCIAL BID FORMAT FOR "SUPPLY AND INSTALLATION OF AUDIO, VIDEO PROJECTION & ACOUSTIC SYSTEM FOR AV ROOM AT SAINIK SCHOOL KALIKIRI"

Project Name : AV system			Base Price/Unit price/Sq ft price	GST	Total Amount
SL #	Description	Qty			
a	Speakers				
1	6.5" design cabinet loudspeaker, 100v/60Watts or 16ohm/150Watts, wall bracket and safety chain included, black - priced per piece and sold in pairs only	6			
b	Power Amplifer				
2	SITC of Dual Channel Power amplifier 2 x 600Wattss @ 4Ohms, 2 X300 Wattss @ 8 Ohms, Built-in DSP with 10 Selectable presets, Class H Topology, Convection cooled, Hypex Inside, 2U 19" rackmount	1			
c	DSP				
3	SITC of eight inputs that are selectable as line or mic level with phantom power and eight line level outputs. All signal processing, mixing and routing functions (including input gains) shall be controllable via software. Audio inputs and outputs shall be accessed via rear panel 3.81 mm terminal block connectors. The Graphical User Interface (GUI) software shall be installer programmable using the Windows® XP or higher operating system. Computer connection and control shall be via the device's rear panel Ethernet connector. The GUI shall provide the management of apps, device files and display and control of all	1			

	<p>signal processing and configuration functions including, but not limited to: Input and Output Gain • Highpass Filtering • Lowpass Filtering • FIR Filters • Crossovers • Parametric Equalization • Graphic Equalization • Expansion • De-Essing • Compression • Limiting • Automatic Gain Control • Ambient Noise Compensation • Feedback Elimination • Automatic Mixing • Priority Mixing • Signal Routing • Delay • Polarity. The front panel shall include input and output signal level indicators as well as indicators for POWER, NETWORK, and ARC. External control shall include preset selection as well as I/O level control and muting, and shall be via industry-standard CAT5 cable with RJ45 connectors using the optional ARC wall panel remote controls. All program memory shall be non-volatile and provide program security should power fail. The device shall provide an on board real time clock to facilitate automatic, timed changing of presets. Third-party control systems may interface over IP using a published ASCII control protocol. Audio conversion shall be 24-bit, 48 kHz. The dynamic range of the processor shall not be lower than 110 dB A-weighted. The device shall have a captive power input socket for an external 24 VDC supply. The device shall meet UL/CSA and CE safety requirements and comply with CE and FCC Part 15 emissions limits. The device shall be RoHS compliant. The chassis shall be constructed of cold rolled steel and moulded plastic, and mount into a standard 19" 1U EIA rack.</p>				
4	SITC of Digital Volume Controller With LED Display with 24 Programmeble Menu (Over Cable Cat 5/6) Compatible With DSP Processors.	1			
d	Microphones				
5	<p>SITC of Gooseneck microphone Frequency response : 50 Hz - 20 kHz, Pick-up pattern : cardioid, Maximum sound pressure level: 130 dB SPL, Impedance : < 100 Ohms, Base : 3pin XLR female with illuminated mute switch on unit, Base unit : configurable type. .</p>	1			

6	<p>SITC of Wireless microphones :</p> <p>Lapel microphone Frequency Band : UHF</p> <p>Pickup pattern : omni direction.</p> <p>Frequency response : 50-16Khz,</p> <p>RF output : 10mW,</p> <p>Sensitivity : < 3 uV at 52 dB(A)rms, S/N</p> <p>Signal-to-noise ratio : ≥ 103 dBA,</p> <p>Operating time : Approx 10 hours, Frequency banks : 8,</p> <p>Receiver output interface : XLR and PHONO jack,</p> <p>Diversity reception : True diversity</p>	1			
7	<p>SITC of Wireless microphones :</p> <p>Handheld Frequency Band : UHF</p> <p>Pickup pattern : Cardioid, Frequency response: 50-16Khz</p> <p>RF output : 10mW,</p> <p>Sensitivity : < 3 uV at 52 dB(A)rms S/N</p> <p>Signal-to-noise ratio : ≥ 103 dBA,</p> <p>Operating time : Approx 10 hours, Frequency banks : 8</p> <p>Receiver output interface : XLR and PHONO jack.</p>	1			
e	Video				
8	<p>SITC of Projeter :</p> <p>Brightness is 3,300 ANSI-Lumens,</p> <p>Native Resolution is 1280 x 800,</p> <p>Max. Contrast is 15.000:1,</p> <p>Aspect Ratio is Physical 16:10,</p> <p>Lamp Type : 203 W, Lamp life is 4,500h,</p> <p>Warranty is 12 Months or 2000h.</p>	1			

9	SITC of Smart board is Scratch resistant ceramic surface for smooth writing and exceptional erasability, possible to fully erase the marking of Whiteboard marker pen on the surface using ethanol. Features like choose, pens, annotate, erase, color, shapes, sizes, text, Edit, fonts, stamp, move, capture, picture, video, save, Rotate, undo, image gallery, print, floating keyboard and Background etc.	1			
10	SITC and designed to be used to capture annotations, object based presentation and also as a web camera and 4K, 3D Visual based teaching device, Annotation board and Teachers view camera. Frame of F=2.0, Frame rate of 60fps @1080p/Up to 30fps @4K, and 1/3.1" CMOS 13,000,000 pixels.	1			
f	Digital Podium				
11	SITC of Free standing floor mount digital podium with 19" capacitive touch screen, resolution 1280 X 1024 (SXGA) in built PC 3.2GHz processor, 3MB cache, 2GB RAM and 500GB HDD, windows 10SL, 1 year anti virus subscription, Annotation software Amplifier with 50 Watt RMS output, 2 external wall mount speaker, each rated 20watts RMS.	1			
g	Accessories				
12	SITC of Projector mount is compatible with most short- and long-throw projectors; includes dual-stud short-throw extension arm.	1			
13	SITC of HDMI over Single CAT 5 Extender enables an HDMI display to be located up to 100 meters away from the source device.	1			
14	SITC of HDMI Cable 2mtr is High Speed Ethernet provides an uncompressed, all-digital interface for both audio and video signals.	2			

15	SITC of 2 core 1.5 sqmm shielded Speaker cable in Meter.	200			
16	SITC of 2 core shielded microphone cable in Meter.	50			
17	SITC of 16U standard Rack with 2 power strips, with cooling fans	1			
18	SITC of Connectors lot.	1			
h	Acoustical Wall Panel:	Sq.Ft.			
19	Provision and fixing of 50x50mm GI Chanel or Aluminum framework with every 600mm interval (horizontal and vertical) with 50mm thick Acoustical polyester insulation or sound synth insulation and finished with perforated wooden finish of approved color. (area as shown in the drawing) Approved make : Anutone, Armstrong	1216			
i	Ceiling Grid tiles				
20	Provision and fixing 600x600mm (0.7NRC) ceiling grid tiles (White Color) with necessary frame work and support. (Make Armstrong or Equivalent) (area as shown in the drawing)	1305			
j	Skirting				
21	Ply wood skirting with veneer finishing up to 6 " height, Approved make : Custom.	456			
k	Curtains	150			
22	Window curtains 6'X5' Poly cotton colour will be select by client.				
Sl No	Total price sl no a + b + c + c + d + e + f + g + h + i + j + k + l				

(Signature of firm:
with seal and date)

Note:

1. Determination of L-1 will be done on total prices only (including levies, taxes and duties levied by Central / State / Local governments such as excise duty, GST, Service Tax, Octroi /entry tax, etc., on final product of all items / requirements as mentioned above.
2. The information is to be filled in carefully after studying the Tender Document and should tally with 'Technical' bid format.
4. The Commercial Bid is to be forwarded in writing on the format, which will be considered as the rate quoted.
5. Any information filled wrongly would result in the rejection of this bid and hence utmost care be taken while filling this format.

Signature of firm:

(with seal and date)

