



GOVERNMENT OF ASSAM
PROJECT MANAGEMENT UNIT (PMU)
ASSAM PROJECT ON FOREST AND BIODIVERSITY CONSERVATION SOCIETY (APFBCS)
ARANYA BHAWAN, PANJABARI, GUWAHATI – 781037
Tel: +91 361-2733917; Website: www.apfbcn.nic.in; Email: pd@apfbcn.in ;

***Project: AFD financed Assam Project on Forest & Biodiversity
Conservation - Phase II***

**BIDDING DOCUMENT
FOR
RENOVATION OF THE CONFERENCE HALL OF THE VICE CHAIRMAN, APFBC
PHASE-II**

IFB No: APFBC/PMU/Phase-II/RW (Sectt.)/2025/400/4

Dated: 16th July 2025.

Bidding Document Issued from: 19th July 2025.

Government of Assam
AFD financed
Assam Project on Forest & Biodiversity Conservation- Phase II
Assam Project on Forest & Biodiversity Conservation Society (APFBCS)
Aranya Bhawan, Panjabari, Guwahati- 781037; Website: www.apfbcn.nic.in; Email: pd@apfbcn.in

INVITATION FOR BIDS (IFB)

(IFB No. APFBC/PMU/Phase-II/RW (Sectt.)/2025/400/4

Sealed bids are invited from eligible bidders for the work 'Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II'. Further details, including the scope of work, terms & conditions, etc., may be seen in the detailed bidding document available at www.apfbcn.nic.in. The bidding document will be available for download from 19th July 2025 to **2nd August 2025**. The last date for submission of bids is 02:00 PM, **2nd August 2025**. For more information, please contact the address mentioned above during office hours.

Sd/-
Project Director
PMU, APFBC Society

Government of Assam

AFD financed

Assam Project on Forest & Biodiversity Conservation- Phase II

Assam Project on Forest & Biodiversity Conservation Society (APFBCS)

Aranya Bhawan, Panjabari, Guwahati- 781037; Website: www.apfbc.nic.in; Email: pd@apfbc.in ;

No. APFBC/PMU/Phase-II/RW (Sectt.)/2025/400/4-A

Dated: 16th July 2025

**INVITATION FOR BIDS (IFB)
Detailed Procurement Notice**

1. The Project Director, PMU, APFBCS invites sealed bid from eligible bidders in a 2-bid format (technical and financial) contained in a single envelope for the following work-

Brief Description of the Works	Period of Completion & intended completion date
Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II.	Two (02) months from the date of issue of the work order

2. The Bidders shall be required to submit bids for all items.
3. This Procurement notice includes the terms and conditions applicable to submission of bids; criteria for qualification, evaluation, and for award of work order(s); and relevant forms to be filled by the bidders.
4. Interested eligible Bidders may obtain further information from and inspect the bidding Document at the office of the Project Director, PMU, APFBCS, Aranya Bhawan, Panjabari, Guwahati – 781037 (Assam), Telephone:+91-361-2733917, Email: pd@apfbc.in ; Website: www.apfbc.nic.in
5. Bids, both Technical Part and Financial Part shall be submitted on or before 14:00 hours on **2nd August 2025** and must be accompanied by a Bid Security of **Rs. 1.00 Lakh**. Any bid or modifications to bid received after the deadline shall not be considered and returned unopened.
6. The sealed envelope should be super scribed as “Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II”; “Not to be opened before **2nd August 2025** at 14.30 hours”.
7. The technical bids will be opened publicly on the same day i.e. **2nd August 2025 at 14.30** hours in presence of the bidders or their representatives who choose to attend at the office of the undersigned.
8. If the office happens to be closed on the date of opening of the bids as specified, the technical bids will be opened on the next working day at the same time. The Financial bids shall remain unopened, until the subsequent opening, following the evaluation of the Technical bids.
9. The PD, APFBC Society shall not be held liable for any delay in the receipt of bids.

Sd/-
Project Director
PMU, APFBC Society

SECTION - I

1) Scope of Work:

The Project Director, APFBC Society invites bid for renovation work as detailed in the table given below:

Brief Description of the Works	Period of Completion
Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II.	Two (02) months from the date of issue of the work order

The successful bidder will be required to complete the work by the intended completion date specified above.

2) Qualification Criteria: to qualify for the award of the contract, the bidder should have-

Eligibility			
Sl.	Criterion	Requirement(s)	Submissions*
1	Nationality /Jurisdiction	Indian Nationality & Operating under Jurisdiction of State of Assam.	Up-to-date Trade License + GST Registration + PAN Card and Bank details
2	Financial Ability/Stability	The bidder must have an average turnover of Rs. 50.00 Lakh over the last three (3) financial years, i.e., FY: 2021-22, FY: 2022-23, and FY: 2023-24	CA-certified copy of the Annual Turnover, along with the Profit & Loss Statements/Financial Statements for the last three financial years (i.e., FY 2021-22, FY 2022-23, and FY 2023-24)
3	Similar/ Comparable Experience	The bidder must have experience in executing similar nature of work in the past three years i.e. FY: 2022-23, FY: 2023-24 and FY: 2024-25.	Attach copies of at least one work order valued at Rs. 30.00 Lakh or above, issued by a Government Department, Public Sector Undertaking (PSU), or a reputed private organization during the last three financial years (i.e., FY 2022-23, FY 2023-24, and FY 2024-25)
4	History of Non-Performing Contracts	Termination of a contract did not occur as a result of Bidder's default in the past three (3) years.	Notarized Self-Certificate duly signed & sealed.
5	Pending Litigation	No pending litigation and if any, to be confirmed as being resolved against the Bidder.	Notarized Self-Certificate duly signed & sealed.
6	Period of Maintenance	Period of Maintenance for the work shall be six (06) months from the date of taking over possession. During this period, the contractor shall be responsible for rectifying any defects in the renovation work free of cost to the Employer	Notarized Self-Declaration by the Bidder/Firm.
7	3D Design, Video, and Drawings	Each bidder shall submit a 3D design and a 3D video walkthrough of the proposed space, along with AutoCAD drawings, in a pen drive as part of the bid submission.	Each bidder shall submit a 3D design and a 3D video walkthrough of the proposed space, along with AutoCAD drawings, in a pen drive as part of the bid submission.

****Note: All documents must be duly signed and sealed by the authorized representative of the bidder.***

3) Preparation & submissions of bids:

- a) The bidder is advised to visit the site of works at his/her own expense and obtain all information that may be necessary for preparing the bid and 3D design, video & drawing.

- b) Each bidder shall submit only one bid and 3D design, video & drawing.
- c) Bidders shall not contact other Bidders on matters relating to this bid.
- d) Bid shall be addressed to –

Office of the Project Director

Project Management Unit, Assam Project on Forest and Biodiversity Conservation Society (APFBCS), 3rd Floor, Aranya Bhawan, Panjabari, Guwahati- 781037.

- e) The bidder is required to submit the bid in two distinct parts: the Technical Bid and the Financial Bid. The Technical Bid must include all relevant technical documents along with the signed copy of the bidding document. The Financial Bid should contain the Letter of Bid (Financial) and the priced Bill of Quantities. Both parts then should be put in an outer envelope for submission clearly marked as '**Bid for Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II**'.
- f) The name of the bidder, address and contact no. should be mentioned on the reverse of the sealed envelope.
- g) All pages of the bid shall be signed and stamped by the authorized person to indicate that the bidder has agreed to all terms and conditions of the bid.
- h) Overwriting, alterations, if any, in the bid should be signed by the authorized signatory.
- i) Bid not accompanied by specified documents, self-declarations, signatures may be rejected by the office as non-responsive and may not be evaluated.

(Note: For enquiry please visit us on Thursday and Friday before deadline of submission around 03:00 PM to 4:00 PM). This constitutes the Pre-Bid review and vendors/bidders are encouraged to visit and seek all clarifications, as applicable.)

4) Clarifications: Any request for clarification regarding this bid shall be sent in writing to office of the Project Director, PMU, APFBCS, Aranya Bhawan, Panjabari, Guwahati - 781037 (Assam), Email: pd@apfbc.in no later than 5:00 pm on **25th July, 2025**. The Purchaser will send out its response to all Service providers, including a description of the subject of the request for clarification, without identifying the inquirer.

5) Bid Prices:

- a) The bid shall be for renovation of the whole work as described in the Bill of quantities.
- b) Corrections, if any, in the bid shall be carried out by editing the information before submission.
- c) The rates quoted by the bidder shall be fixed for the duration of the contract period and shall not be subject to adjustment on any account.
- d) The rates should be quoted in Indian Rupees only.

6) Bid Security

- a) The bidder shall furnish, as part of their bid, a bid security in the amount specified in the detailed IFB for this particular work. The bid security shall be in favor of the 'Assam Project on Forest and Biodiversity Conservation Society Phase II,' payable at Guwahati, Assam, in one of the following forms:
 - i. Demand Draft/Fixed Deposit Receipt (FDR) or Term Deposit Receipt (TDR) issued by Nationalized/Schedule Bank in India.; or
 - ii. Bank Guarantee issued by a Nationalized/Schedule Bank in India.
- b) The Bid Security must remain valid for forty-five (45) days beyond the original or extended validity period of the bid.
- c) Any bid not accompanied by an acceptable Bid security shall be rejected by the Employer as non-responsive.
- d) Unless there is any challenge on the bid/bid process in any court of law, the Bid security of unsuccessful bidders will be returned within 28 days of the end of the validity period.
- e) The bid Security of the Successful Bidder will be discharged when the bidder has signed the Agreement and furnished the Performance Security.
- f) The Bid security shall be forfeited

- i. If the Bidder withdraws the Bid after Bid Opening during the period of Bid Validity;
- ii. If the Bidder does not accept the correction of the Bid Price, pursuant to Clause 15; or
- iii. In the case of a successful Bidder, if the Bidder fails within the specified time limit to:
 - Sign the Agreement;
 - Or furnish the required Performance Security.

7) The Technical bid shall comprise the following:

- a) Letter of Bid- Technical Part.
- b) Bid document Sealed & Signed by the authorized bidder.
- c) Bid Security
- d) Complete address and contact details of the Bidder with the following information:
 - i. Name of Firm:
 - ii. Address for communication:
 - iii. Telephone No(s):
 - iv. Office:
 - v. Mobile No.:
 - vi. E-mail ID:
- e) Evidence in accordance with Clause 2 establishing Bidder's qualifications to perform the contract, if its bid is accepted.
- f) The Technical bid shall not include any financial information related to the Bid price. Where material financial information related to the Bid price is contained in the Technical Part of Bid, the Bid shall be declared non-responsive.

8) The Financial bid shall comprise the following:

- a) Letter of Bid- Financial Part
- b) Priced Bill of Quantities.

9) Signing of Bids: The name and position held by each person signing the bid and related documents must be typed or printed below the signature.

10) Deadline for Submission of Bids (with 3D designs, video and drawings): Bids along with 3D designs, video and drawings must be submitted no later than the deadline for submission of bids viz. 14.00 hours on **2nd August 2025**. A Bidder may modify its bid any number of times, before the deadline for submission of bids.

11) Validity of Bid: Bid shall remain valid for a period not less than 90 (Ninety) days after the deadline date specified for submission.

12) Bid Submission: Bidders may submit their sealed envelopes containing the bids by post or by hand or drop in the box earmarked by the Employer.

13) Opening and Evaluation of the Bids -Technical:

- a) The Technical bids will be opened publicly on the specified date and time wherein willing bidders may remain present.
- b) The Employer shall examine the bid to determine whether the bid -
 - i. has been properly signed and properly designed;
 - ii. is substantially responsive to the requirements of the bidding document; and
 - iii. meets the qualification criteria specified.
- c) Marking will be assigned internally for each element and qualifying criteria as set forth herein.
- d) **Bidders are required to fulfill all the conditions specified in Clause 2 of Section-I (Qualification Criteria) and must attain a minimum score of 75 out of 100 in the technical evaluation to qualify for the financial evaluation. Bidders who do not meet these requirements will be disqualified, and their financial bids will not be considered.**

14) Opening and Evaluation of the Bids -Financial

- a) The Financial bids will be opened on the specified date and time by the employer's evaluation committee in the presence of the representatives of those bidders whose bids have passed the minimum technical score.
- b) The committee shall examine and confirm that Letter of bid – Financial Part and Priced Bill of Quantities are in accordance with the requirements specified in the bidding document. If any of these documents or information is missing, the offer shall be rejected.
- c) During the evaluation of Financial bid, the substantial responsiveness of the bids will be further determined with respect to those bidding document conditions that were not examined in evaluation of Technical bids.

15) Evaluation Criteria:

Sl.	Technical	Max marks
1	Financial Ability/Stability	15
2	Similar/Comparable Experience	20
3	Interior Design concept	35
5	Digital Presentation (3D Design, 3D Video & AutoCAD Drawings))	30
Total marks		100

The minimum technical score (TS) required to pass is: 75

16) Award of contract:

- a) The Employer will award the contract to the bidder whose bid has been determined to be substantially responsive and who has offered the lowest evaluated bid price.
- b) Notwithstanding the above, the Employer reserves the right to accept or reject any bids and to cancel the bidding process and reject all bids at any time prior to the award of contract.
- c) Normal commercial warranty/ guarantee shall be applicable to the supplied goods.
- d) The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the bid validity period.

17) Adjustment:

- a) Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by the APFBC Society.
- b) The unit price shall prevail and the total price shall be corrected, in case of any discrepancy.
- c) If the bidder does not accept the final price based on re-computation and correction of errors, its bid will be rejected and the bid security will be forfeited.

18) Liquidated Damages:

- a) Liquidated damages shall be imposed to the selected bidder under the following conditions:
 - i. Non-completion of work under the contract beyond sixty (60) days from the date of the award of the Work Order shall invite **0.5%** liquidated damage per day of the total contract value.
 - ii. The liquidated damage shall be calculated upto a maximum of 10% of the total contract amount. Next course of action once the maximum percentage is reached shall be termination of the contract under the bid.

19) Payments:

- a) Payment shall be made after satisfactory delivery of services and certified by the concerned officer of the APFBC Society.
- b) All payments to the successful bidder shall be made by Account Transfer only.
- c) All taxes (including GST, etc.) shall be dealt with as per the Govt. laws
- d) No advance payment shall be made.

20) Performance Security

- a) Within 7 days of receipt of the Letter of Acceptance, the successful bidder shall deliver to the Employer a performance security, in the form provided in Section III, for an amount equivalent to 5% (five percent) of the contract price.
- b) The performance security should be pledged in favor of the 'Assam Project on Forest and Biodiversity Conservation Society Phase II,' payable at Guwahati, Assam.
- c) The validity of the performance security shall be for a period of 45 days beyond the date of completion of all contractual obligations.
- d) Failure of the successful bidder to submit the aforementioned Performance Security shall constitute sufficient grounds for the annulment of the award of contract and forfeiture of the bid security.

21) Miscellaneous:

- a) APFBC Society is not bound to accept any bid, nor award a contract/work order, nor be responsible for any costs associated with supplier's preparation and submission of bid, regardless of the outcome or the manner of conducting the selection process.
- b) Areas, where job is performed, should be left neat and clean after the completion of the job. All waste material should be taken away and disposed off by the bidder.
- c) No variation or modification of the terms and conditions of the contract shall be made.
- d) All materials and workmanship shall be of branded/superior quality and shall be subjected to inspection. Should the specification does not match highest standard, the Employer may reject them and the supplier shall replace the item(s) to meet specification requirement free of cost to the Purchaser.

SECTION - II

LETTER OF BID-TECHNICAL

The Bidder must prepare the Letter of Bid with its letterhead clearly showing the Bidder's complete name and address. The italicized text is for Bidder's guidance in preparing these forms and shall be deleted from the final products.

Description of the Works: Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II.

IFB No. APFBC/PMU/Phase-II/RW (Sectt.)/2025/400/4

Dated:/...../2025

To:

The Project Director, APFBC Society,
Aranya Bhawan, Panjabari,
Guwahati - 781037

Sub: Technical Bid for 'Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II.'

Sir,

1. We, the undersigned, hereby submit our Bid in two parts, namely:

- (a) Technical Part; and
- (b) Financial Part

2. In submitting our Bid, we make the following declarations:

- (a) **No reservations:** We have examined and have no reservations to the bidding document;
- (b) **Conformity:** We offer to execute the subject work in conformity with the bidding document and in accordance with the Period of Completion specified in Section -I;
- (c) **Bid Validity Period:** Our bid shall be valid for the period of 90 days, from the deadline fixed for the bid submission;
- (d) **Eligibility:** We meet the eligibility requirements and have no conflict of interest, we are not participating in more than one bid in this bidding process, and we have not been temporarily suspended or blacklisted or suspended by the Central or any State Government;
- (e) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of corrupt, fraudulent, collusive, coercive, or obstructive practices; and we will strictly observe the laws against fraud and corruption in force in India namely, "Prevention of Corruption Act 1988."

Yours faithfully,

Authorized Signature

Name & Title of Signatory _____

In the capacity of *[insert legal capacity of person signing the Letter of Bid]*

Name of Bidder _____

Address _____

Dated on _____ day of _____, _____ *[insert date of signing]*

LETTER OF BID-FINANCIAL

The Bidder must prepare the Letter of Bid with its letterhead clearly showing the Bidder's complete name and address. The italicized text is for Bidder's guidance in preparing these forms and shall be deleted from the final products.

Description of the Works: Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II.

IFB No. APFBC/PMU/Phase-II/RW (Sectt.)/2025/400/4

Our Reference: No..... Dated.....

To:

The Project Director, APFBC Society,
Aranya Bhawan, Panjabari,
Guwahati – 781037

Subject: Financial Bid for “Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II”.

Sir,

1. We, the undersigned, hereby submit the second part of our Bid, the Financial Part. In submitting our Financial Part we make the following additional declarations:

(a) Our bid shall be valid for the period of 90 days from the deadline fixed for the bid submission;

(b) The total price of our Bid, including any unconditional discounts offered is:

Total price of the bid **[insert the total price of the bid including GST and any other taxes, which will be payable on the finished goods, in words and figures];**

Yours faithfully,

Authorized Signature

Name & Title of Signatory _____

In the capacity of *[insert legal capacity of person signing the Letter of bid]*

Name of Bidder _____

Address _____

Dated on _____ day of _____, _____ *[insert date of signing]*

Section-III

Form for Bid Security Demand Guarantee

Beneficiary: _____

Invitation for Bids No.: _____

Date: _____

Bid Guarantee No.: _____

Guarantor: _____

We have been informed that _____ (hereinafter called "**the Bidder**") has submitted or will submit to the Beneficiary its bid (hereinafter called "**the Bid**") for the execution of _____ under Invitation for Bids No. _____ ("**the IFB**").

Furthermore, we understand that, according to the Beneficiary's conditions, Bids must be supported by a Bid guarantee.

At the request of the Bidder, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of INR _____ (Indian Rupees _____ only) upon receipt by us of the Beneficiary's first demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Bidder:

a) Has withdrawn its Bid during the period of Bid validity set forth in the Bidder's Letter of Bid ("the Bid Validity Period"), or any extension thereto provided by the Bidder; or

b) Having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Bidder, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders ("**ITB**") of the Beneficiary's Bidding Documents.

This guarantee will expire:

a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Bidder and the performance security issued to the Beneficiary in relation to such contract agreement; or

b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Bidder of the results of the bidding process; or (ii) twenty-eight days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

Performance Security

Demand guarantee

Beneficiary: _____

Date: _____

PERFORMANCE GUARANTEE No.: _____

Guarantor: _____

We have been informed that _____ (hereinafter called "**the Bidder**") has entered into Contract No.

_____ dated _____ with the Beneficiary, for the execution of _____ (hereinafter called "**the Contract**").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Bidder, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ *[insert amount in figures]* (_____) *[insert amount in words]*¹ such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's first demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Bidder is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the _____ day of _____ 2 ____2, and any demand for payment under it must be received by us at this office indicated above on or before that date.

_____ *[Signature]*

[Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.]

Bill of Quantities for 'Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II'.						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
Interior Works						
1	Tile work	Dismantling old floor tiles from conference hall , after that providing and fitting new tiles.(4'x2' tiles)	Sqft.	1070		
2	New False ceiling	Dismantling old ceiling, and providing and making new ceiling with gypsum board	Sqft.	1200		
3	Wall paneling	Providing and making wall paneling with 12 mm ply board and finishing with 1 mm laminate and fabric panels	Sqft.	1080		
4	Storage cabinet	Providing and making cabinet with 19 mm ply board and 1 mm laminate	Sqft.	21		
5	New Conference table	Providing and making new conference table with 19 mm ply board and 1 mm laminate for 26 person	No.	1		
6	Executive Chairs	Providing high quality revolving office chairs for conference table.	No.	26		
7	Extra chairs	Providing extra non revolving office chairs.	No.	20		
8	Electrical wiring with labour charge	Providing new wiring and switch boards, for new ceiling, new furniture work for conference table, and TV wall paneling.	LS	1		
9	Fan, Led ceiling & profile light	Providing and fitting led & profile lights for new ceiling and wall paneling.	LS	1		
10	Paint, Putty and Oil Primer	Supplying and finishing wall with wall putty and oil primer finish for laying wallpaper and paint finishing to remaining wall and new ceiling.	Sqft.	1300		
11	Glass Door	Providing glass door with aluminum framing.	No.	1		
12	Blinds for windows	Providing and fitting blinds for 4 windows.	No.	4		
13	Plant and Plant Vase	Providing and placing plant and fiber vase.	No.	4		
Total Cost in Rs. (A)=						
GST=						
Total Cost in Rs. (A) inc. GST=						

Bill of Quantities for 'Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II'.						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
Electronic Items						
14	Microphone	Supply, installation, testing & commissioning of Chairman unit with priority button , Microphone length of 450-500mm; Flexible Stem, LED indication for Microphone On/Request to Speak; Built-in stereo Headphone socket with Volume control, Immunity to mobile phone interference ; changeable microphone buttons and slide switch at bottom for configuration as a participant; Plug-and-play functionality; white indicates possible to speak, green indicates request to speak and flash green indicates next in line to speak; Frequency response:100Hz to 19kHz; S/N ratio: >90dBA or better; Headphones load impedance >32 ohms < 1k ohm; Loudspeaker nominal output : 72 dB SPL	No.	1		
15	Microphone	Supply, installation, testing & commissioning of Delegate unit with Microphone length of 450-500 mm, Flexible Stem, LED indication for Microphone On/Request to Speak; Built-in stereo headphone socket with Volume control; Immunity to mobile phone interference ; changeable microphone buttons and slide switch at bottom for configuration as a participant; Plug-and-play functionality; white indicates possible to speak, Green indicates request to speak and flash green indicates next in line to speak; Frequency response:100 Hz to 19 kHz; S/N ratio : >90 dBA or better; Headphones load impedance > 32 ohms <1k ohm; Loudspeaker nominal output: 72 dB SPL.	No.	20		
16	Controller	Supply, Installation, Testing and Commissioning of Digital Controller with Built-in MP3 recorder with internal memory and USB recording; Plug-and-play functionality; Built-in Digital Acoustic Feedback; Suppression (DAFS) for ensuring superior speech intelligibility; Up to 80	No.	1		

Bill of Quantities for 'Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II'.						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
		Discussion Devices can be connected to a single Control Unit; the system can be expanded to a maximum of 245 Discussion Devices Sample rate 44.1 kHz; Frequency response: 30 Hz to 20 kHz; Ethernet speed: 1 Gb/s; S/N> 93 dBA; THD <0.1%; Recording/ Playback (bit rate): 64, 96, 128, 256 Kbit/sec; loudspeaker nominal output: 72 dB SPL; Discussion modes: Open mode, Override mode, Voice activation mode, Push to talk (PTT) mode, Camera control.				
17	Cable	Supply, Installation, Testing & Commissioning of Conference Multicore extension Cable 10 mtr.	No.	2		
18	Ceiling Speaker	Supply, installation, testing & commissioning of Ceiling Speaker: Two-way ceiling Coaxial loudspeaker with 6 Inch LF Transducer, 0.5"HF Transducer; Frequency Range: 70Hz-20kHz or better; Maxpower: 45W; Impedance: 100V; Transformer taps at 100V:7.5/15/30W; Maximum SPL: 110dB (Peak) or better, complete with standard accessories as required.	No.	8		
19	Amplifier	Supply, installation, testing & commissioning of Power amplifier 600W, 2 channel With Frequency response: HP: 30/100/150 Hz to 20 kHz@4 Ω THD+N (1/8 rated output power, 1 kHz): 20 kHz < 0.1 %; Crosstalk (ref. 1 kHz, 12 dB below maximum) : < -70 dB@4 Ω, < -75 Db@8 Ω.	No.	1		
20	DSP	Supply, installation, testing & commissioning of Digital signal processor with 2 channel analog audio input; 2 channel analog audio output; THD+N: 0.002%; Dynamic Range: 110dB, unweighted; Propagation Delay: 4ms; Crosstalk, input to input, 1kHz: <110dB; Sampling Rate: 48kHz; A/D-D/A Converters: 32-bit; Processor Type: 40-bit floating point; with USB; With AEC.	No.	1		
21	PTZ Camera	Supply, installation, testing & commissioning of PTZ Camera , Full HD 1080p60 video, 20x optical	No.	1		

Bill of Quantities for 'Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II'.						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
		zoom plus 16x digital zoom, and capability to capture all participants in the room, High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduces the noise, even under low illumination conditions. Image can still keep clean and clear, The use of advanced focusing algorithms enables the lens to focus quickly, accurately, and steadily, Control the camera's functions via USB network, RS485 and RS232 interfaces to control the camera, Supports USB 3.0 and 2.0 interfaces. The USB interface supports YUY2, MJPEG and H.264 video formats, H.264/H.265 streaming and line-in interface to stream audio and video over IP, Compatible with popular applications such as Microsoft®Teams, Zoom™, GoToMeeting™, WebEx™, ClearOne's COLLABORATE® Space, and more, complete with standard accessories as required.				
22		Supply, installation, testing & commissioning of Mounting / Hanging arrangements for the above camera.	No.	1		
23	Encoder	Supply, Installation, Testing & Commissioning of Encoder supports 4K UHD over Gigabit Ethernet, Bit Rates 50 to 800 Mbps, Video Codec: JPEG2000 based visually lossless video compression algorithm, supports: 4K60 4:4:4, AES-128 Encryption, 2x HDMI with HDCP 2.2 & 1x USB-C capable of receiving source input video Streaming protocols include IP, UDP, TCP, IGMP, and IGMP Built-in video wall function, Auto Video Scaler, Analog to digital Conversion24 bit, 48 kHz; Control: USB 2.0 over IP (KVM), RS-232 over IP, IR over IP, GPIO, and CEC over P, Compliance: CE, FCC, RoHS, WEEE.	No.	4		
24	Decoder	Supply, Installation, Testing & Commissioning of Decoder supports 4K UHD over Gigabit Ethernet,	No.	1		

Bill of Quantities for 'Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II'.						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
		Bit Rates 50 to 800 Mbps, Video Codec: JPEG2000 based visually lossless video compression algorithm, supports: 4K60 4:4:4, AES-128 Encryption, 1x HDMI with HDCP 2.2 & Scaling Supports a wide range of resolutions and rates, up to 4K, Streaming protocols include IP, UDP, TCP, IGMP, and IGMP, Built-in video wall function, Auto Video Scalar, Analog to digital Conversion 24 bit, 48 kHz; Control: USB 2.0 over IP (KVM), RS-232 over IP, and CEC over IP Compliance: CE, FCC, RoHS, WEEE.				
25	Cable	Supply, installation, testing & commissioning of Cable management system with HDMI & USB Connectivity complete with all standard accessories.	No.	3		
26	PC	Supply, installation, testing & commissioning of Desktop PC with 21" monitor, with i5 processor, 16 GB RAM, 1TB SSD or better.	No.	1		
27	Splitter	Supply, installation, testing & commissioning of 1x4 HDMI splitter with 18G 4K60 44:4 auto down scaling.	No.	1		
28	Controller	Supply, installation, testing & commissioning of Keypad cum controller with Two bidirectional RS-232 ports; Two relays for controlling room functions; One IR port for connecting up to two emitters; One digital input; SDRAM: 512 MB; Flash: 512 MB, complete with standard accessories as required.	No.	1		
29	Network switch	Supply, installation, testing & commissioning of 8x1G PoE+ 110W 1x1G and 1xSFP Managed Switch , Extended AV features, Audio Video Bridging (AVB) services switching fabric 20 Gbps, 8 ports PoE+ (110W) 1 additional port.	No.	1		
30	Cable	Supply, installation, testing & commissioning of '6' USB 3.0 A to B (Male) Molded Cable, complete with standard accessories as required.	No.	4		

Bill of Quantities for 'Renovation of the Conference Hall of the Vice Chairman, APFBC Phase-II'.						
Sl.	Items	Description	Unit	Quantity	Unit Cost	Total Cost
31	Cable	Supply, installation, testing & commissioning of 2m USB 3.1 C to C (Male) Molded Cable With Charging (100W), complete with standard accessories as required.	No.	3		
32	Cable	Supply, installation, testing & commissioning of 2m 18 GHDMI Cable with Ethernet, Gold Plated & L Grip Connector/Oxygen Free Copper. Supports 21:9 True Cinema, eARC Support, complete with standard accessories as required.	No.	4		
33	Cable	Supply, installation, testing & commissioning of 15 m18 GHDMI Active Cable/Gold Plated & L Grip Connector/Oxygen Free Copper. Supports 21:9 true Cinema, complete with standard accessories as required.	No.	4		
34		Supply, installation, testing & commissioning of Connectors, cables & patch cords, complete with standard accessories as required.	Lot	1		
35	Equipment Rack	Supply, installation, testing & commissioning of 15 U Equipment Rack for housing all rack mountable equipments with internal wiring, front glass door; heat dissipation fans; movement wheels, power distribution units etc.	No.	1		
Total Cost in Rs. (B)=						
GST in Rs.						
Total Cost in Rs. (B) including GST						
Total Cost in Rs. excluding GST (A)+(B)=						

(Rupees in words.....)

(Note: The lowest evaluated responsive bidder shall be decided on the total amount quoted exclusive of GST and other taxes as applicable)
