



## ICAR RESEARCH COMPLEX FOR EASTERN REGION

(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)

ICAR PARISAR, B.V.C. COMPLEX, P.O. PATNA- 800 014

PHONE NO. 0612 – 2228805/ 62

FAX NO. 0612- 2223956

### Invitation of Tender and Instructions to Tenderers

NIT No. 02/09-10 (Sr. No.A)

Dated:

Note: The envelope containing the tender as well as all subsequent communications should be addressed and delivered to:

**The Director**  
**ICAR Research Complex for Eastern Region**  
**P.O. Bihar Veterinary College Complex**  
**Patna – 800 014 (Bihar)**

To,

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On behalf of the Secretary, ICAR, I invite you to the tender for supply and furnishing of Auditorium and Conference Hall of ICAR-RCER, Patna as per specification given in the schedule. Terms and Condition of the tender is as follows:

1. Sealed Tenders are invited only from reputed firms of high standard for the tendered items. Tenderers are required to furnish documents to authenticate the same.
2. Tenderers are required to submit only Package wise tenders under two bid systems. The Technical & Financial Bid must be submitted separately in separate sealed covers. The sealed Technical Bid will contain all technical and relevant details (including Earnest Money), except price. The Financial Bid will contain only Price.
3. The tenderer must be registered under Sales Tax Department and enclose a copy of their Sales Tax /VAT Registration Certificate.
4. Firm will have to deposit a sum of Rs.50,000/- (Rupees Fifty thousand only) as an earnest money in the shape of Account payee bank draft in favour of 'ICAR Unit: ICAR-RCER, Patna' payable at Patna along with their tender. No other mode of payment will be accepted as Earnest Money Deposit. No request for transfer of any previous deposit of Earnest Money will be entertained. It is understood that the tender document has been issued to the tenderer and the tenderer is being permitted to tender in consideration of the stipulation on his part that after submitting his tender, he will not revise his offer or modify the terms and conditions thereof. If the tenderer fail to observe and comply with the foregoing stipulation, the aforesaid amount will be forfeited to the ICAR-RCER, Patna. In the event of the offer made by the tenderer not being accepted, the amount of Earnest Money deposited by the tenderer will be refunded to him on submission of a written request.

5. Tenderer are required to mention IT PAN Number along with a copy of the PAN card.
6. Tenderer must enclose Technical brochures of each quoted brand and model to certify that the quoted specification strictly conforms to companies' originally configured and manufactured brand and model. Manufacturer name, their trademark and brand, if any, should invariably be mentioned in the tender. Illustrated leaflets giving technical particulars, operation manual etc. should be sent along with the tender to facilitate consideration of offer.
7. ISO certified tenderer quoting for ISO certified products of repute should enclose document for proof.
8. All taxes and duties must be indicated clearly and separately. Tenders indicating taxes "as applicable" will be summarily rejected.
9. Tenderers are required to quote for individual items and the Director, ICAR-RCER, Patna reserves the right to select/delete any of the items and/or increase/decrease quantity of item without any change in unit price and payment shall be made at actual. Price quoted should be invariably for delivery at ICAR-RCER, ICAR Parisar, P.O. Bihar Veterinary College, Patna – 14. Offers on firm price basis will only be accepted.
10. Pre-bid meeting-cum-pre-requisite on DATE with the bidders: **On 25<sup>th</sup> August, 2009 at 11.00 hours** in the committee room of this Complex to clarify details or doubts on technical aspects as per our requirement. The bidders who are going to quote the items may kindly make it convenient to attend the meeting without fail for the purpose. The vendors willing to quote must visit the site on the pre-bid meeting day and indicate list of items need for Auditorium and Conference Hall. The Complex would compile and place the final list of location wise items needed on the website of ICAR-RCER, Patna. This will also be supplied to the individuals providing email ids during the pre-bid meeting.
11. Rates quoted must be valid for a period of 180 days from the date of finalization of this tender.
12. On-site comprehensive warranty for three years for all items. If warranty is given for One year AMC cost after warranty period to be quoted separately.
13. The bidder shall mention AMC Charges after warranty separately.
14. Tenders not submitted in supplied format (part of the total tender document) will be summarily rejected.
15. The 'Declaration' in the supplied proforma for Check-list duly filled in and must be enclosed with the tender along with an undertaking that the bidder has not been blacklisted by any Government organization

16. The Director, ICAR-RCER, Patna reserves the right to award the work on turnkey or in part basis. This office does not pledge itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of the tender or portion of the quantity offered and tenderer shall supply the same at the rate quoted. Tenderer is at liberty to tender for the whole or any portion or to same in the tender that the rate quoted shall apply only if the entire quantity is taken from the tender.
17. All items quoted are to be new and that in no case refurbished or old equipment will be accepted.
18. The tenderer must submit a certificate along with a proof regarding execution of similar nature of work of less than 10.00 lakh in the last two years.
19. Each page of the tender and its enclosures must be signed by the tenderer.
20. Discounts, if any, must clearly be stated in the tender.
21. Un attested figures, overwritten figures will not be considered.
22. Where ever possible wireless options to be indicated in the plan and cost may be provided for both the options.
23. Any change in the design and or basic raw material to be used in the defined scope of work should be approved by ICAR-RCER, Patna.
24. The bidder will have to complete and hand over the entire work within **03 months from the date of award of work order**, failing which 0.5% per week will be recovered as penalty from the awarded amount, exemption only subject to "Force Majeure". However, in case of any delay beyond specified period, the bidder must intimate ICAR regarding reasons of delay and obtain extension. ICAR may on its discretion extend delivery and completion period with or without penalty.
25. Payment for supply of stores/works shall be made on the submission of bill in respect of the goods delivered and after satisfactory completion of the work by the purchaser within 20 days. No advance payment/part payment either directly or through bank is admissible.
26. Security deposit @ 5% of the entire cost of the project shall be deposited at the time of acceptance of the tender in the shape of account payee demand draft/Bank Guarantee in favour of ICAR Unit: ICAR-RCER, Patna which will be released after completion of the warranty period. No other forms of security shall be accepted.
25. The purchaser will evaluate and compare the quotations determined to be substantially responsive i.e which (a) are properly signed, and (b) conform to the terms & conditions, and specifications. The evaluation would be done for all items put together. Orders will be placed only on tenderer whose tender is found to be substantially responsive and who has offered the lowest price.

26. The Director, ICAR-RCER, Patna reserves the right of accepting or rejecting any or all the tenders without assigning any reason prior to the award of the contract.
27. All disputes will be subject to Patna Jurisdiction only.
28. Tender Notification can be down loaded from our web site <http://www.icarrcer.org> and the cost of the tender form is Rs.500/- (Rupees Five hundred only) shall be submitted in the shape of demand draft in favour of **“ICAR Unit: ICAR-RCER, Patna”** payable at Patna.
27. The envelope containing the tender must be sealed and super scribed as **“Tender for furnishing of Auditorium/and Conference Hall Due on 03.09.2009”** and to be addressed to the Director, ICAR-RCER, Patna - 800014. Last date of receipt of Tender is **03.09.2009 up to 5.00 P.M.** in the Office of the Administrative Officer, ICAR RCER, Patna-14. The sealed tender will be opened on **04.09.2009 at 11.00 A.M.** The tenderer has the liberty to be present or to authorise his representative to be present at the time of opening of tender.

In the event of the date & time specified for tender receipt and opening being declared as a closed holiday for purchaser's office, the due date for submission of tenders and opening of tenders will be the following working day at the specified timings. ICAR-RCER, Patna does not hold any responsibility for postal delays.

**Admin. Officer  
for Director, ICAR-RCER, Patna**

## Proforma for Check-List

### Declaration

- Name of the Tenderer / Bidder with Office address
- Status of Company: Proprietary / Pvt Limited / Limited / others
- Name of the Contact Person/Authorized signatory
1. Phone No.:
- Fax No.:
- E-mail:
2. Is the tenderer ISO 9001 Certified? (Yes/No)
3. Mention PAN Number allotted by the Income Tax Authorities (A copy is to be enclosed).
- Whether registered under Sales Tax Rules? Mention VAT TIN Number (Enclose a copy of the valid registration certificate).
4. Whether all pages of tender documents are duly signed with seal?
5. Mention the details of Earnest Money Deposited. (DD No., Date & Amount)
6. Has the Bidder enclosed all the required documents as defined in the tender documents?
7. Has the bidder given an undertaking that it has not been blacklisted by any Government organization
8. Core Banking A/c No.

I, hereby, declare that the information furnished above is true on the basis of authenticated records, and that in case it is found false, I shall be losing all my legitimate claims.

Date & Place

Signature with Seal

## Technical Specification for Auditorium

### A) Civil, Electrical & Furnishing Works:-

SN	Item	Qty. (Approx)	Make/ Model	Compliance statement (Y/N)	Deviations if any
1A	Maintenance free False Ceiling In anodized aluminum grid system comprising of Main & Cross 'T' suspended from roof with MS tie rods & paneled by 2' x 2' x 9 mm Decorative type Gypsum board of standard ISI make with the provision for random 2' x 2' lighting systems <b>OR</b>	1300 sq feet			
1B	False ceiling with Pre-Laminated particle board of standard ISI make with provision for random 2' x 2' lighting systems.	1300 sq feet			
2.	Wooden Paneling: 1.1/2" x 1" wooden frame work on the wall to level the paneling 6 mm ply will be pasted on it and again one more 6 mm commercial ply pasted on it such a manner that grooves design will be formed in desired pattern and 4 mm thick teak ply will be pasted on it and furnished in melamine polish.	2000 sq feet			
3.	Flooring: The final floor shall be fitted with woolen carpeting of standard quality	1100 sq feet			
4.	Creation of main stage 17' x 8' with wooden flooring	136 feet			
5.	Auditorium chairs made in Iron metal frame work in 2+2 or 4 chair clusters and furnished in good quality foam & fabric (matching the interior of the hall) with tilting back of Standard Make	104 unit			
6.	Modular Stage Table in size of 3'x18"x4units (these dimensions may be altered to suit standard Table Size)	Complete set			
7.	Podium with adjustable reader desk, with provision of electrical connection, laptop space, portable stool for shorter people (with ICAR emblem on podium)	Complete set			
8.	Maintenance Free Anodised Aluminum Main Entrance Door in double sliding shutters sliding apart and paneled by 5.5 mm thick glass of approved quality	82.5 sq feet			
9.	19" 24U Acoustic Rack for keeping audio visual equipments & 2 storage drawers	1 unit			
10.	Stage Table Chairs (1 big & 4 small) of standard brand	5 units			
11.	Audio Visual Controller Chair	2 units			
12.	Auditorium cables electrical work including modular switches & sockets in modular boxes, with dimmers with lighting system for controlling ambient light, based on anchor / finolex / havells / or similar make of wire.	Switch/Socket			
13A	Existing Air conditioner position change as per requirement with new or extension of pipes, cleaning & servicing <b>OR</b>	Complete			
13B	Installation of new split Air conditioner (1.5 tone capacity) of reputed make as per requirement				
14.	Venetian blinds of appropriate size and shade for required windows area	Complete Hall			

**B) Digital Audio & Video System:-**

15.	<p><b>Audio System</b>  <b><u>Chairman or Dias Microphones</u></b>          Desktop Base with 10 foot Cable, one with 18” and 2 with 12”Gooseneck, Logic Functions, Programmable Switch and LED Indicator, Snap-Fit Foam Windscreen. Balanced, transformer less output for increased immunity to noise over long cable runs. Shock mount provides over 20 dB isolation from surface vibration noise. Locking flange mount for permanently securing microphone to lecterns, pulpits, or conference tables.  <b>Frequency Response</b> : 50 to 17,000 Hz  <b>Output Impedance</b> : 180 ohms actual (EIA rated at 150 ohms)  <b>Sensitivity (At 1,000 Hz, open circuit voltage*)</b> : Cardioid: -35.0 dBV/Pa (17.8 mV) All values -12 dB at 0 gain; *1 Pascal = 94 dB SPL</p>	2 (Table) + 1 (Podium) complete sets	Bosch/ SHURE or equivalent		
16.	<p><b><u>Wireless Collar Microphone</u></b>  <b>Type</b> : Condenser (electret bias)  <b>Frequency Response</b> : 50 to 17,000 Hz  <b><u>Wireless Receiver</u></b>  <b>RF Carrier Frequency Range</b> : 554.000 to 865.000 MHz  <b>Effective Range</b> : 100 m (300 ft.) under optimal conditions  <b>Audio Frequency Response</b> : 25 to 15,000 Hz, ±2 dB  <b>Spurious Rejection</b> : 75 dB typical  <b><u>Wireless Transmitter</u></b>          Three-segment battery fuel gauge          Frequency and power lockout          300 foot (100m) operating range</p>	1 complete set	Bosch/ SHURE or equivalent		
17.	<p><b><u>Wireless Handheld Microphone</u></b>          Vocal microphone.          Cardioid (unidirectional) dynamic          Frequency response: 50 to 15,000 Hz  <b><u>Wireless Diversity Receiver</u></b>  <b>Effective Range</b> : 100 m (300 ft.) under optimal conditions  <b>Audio Frequency Response</b> : 25 to 15,000 Hz, ±2 dB  <b>Impedance</b> (output): 50 ohms at line level; 2000 ohms at mic level  <b>Spurious Rejection</b> : 75 dB typical</p>	2 complete sets	Bosch/ SHURE or equivalent		
18.	<p><b><u>Intelli mixer</u></b>          Eight balanced mic-line input channels (Phoenix block connectors)          One unbalanced 1/4" aux level input          Eight unbalanced 1/4" direct line level outputs          One balanced master line level output (Phoenix block connector)  <b>Frequency Response:</b>50 Hz to 20 kHz +/- 2 dB; -3dB corner at 25 Hz  <b>Overload and Shorting Protection</b> should be provided</p>	1 set	Bosch/ SHURE or equivalent		
19.	<p><b><u>Audio Transducer</u></b>  <b>Frequency Response</b> : 20 Hz to 20 kHz +/- 1 dB  <b>Dynamic Range</b> : 110 dB minimum, A-weighted, 20 Hz to 20 kHz</p>	1 set	Bosch/ SHURE or equivalent		
20.	<p><b><u>Speakers</u></b>  <b>Frequency Range (-10dB)</b> : 80Hz – 16 KHz1W,  <b>Frequency Response</b> : 150 Hz – 20 KHz  <b>Power Capacity</b> : 150 watts continuous program</p>	8 sets	Bosch/ SHURE or equivalent		

21.	<b><u>Amplifier</u></b>	1 set	Bosch/ SHURE or equivalent																
22.	<table border="1"> <tr> <td colspan="2"><b><u>Projector :-</u></b></td> </tr> <tr> <td>Type of Display</td> <td>Wireless LAN Through USB Display PC Free Display</td> </tr> <tr> <td>LCD Size</td> <td>0.8" with MLA (x3)</td> </tr> <tr> <td>Driving Method</td> <td>Poly Silicon TFT Active Matrix</td> </tr> <tr> <td>Brightness</td> <td>3500 ANSI Lumens</td> </tr> <tr> <td>Wireless</td> <td>Both on video and audio</td> </tr> <tr> <td>Others</td> <td>Full Function Remote Multi Screen Display Ceiling Mounted</td> </tr> </table>	<b><u>Projector :-</u></b>		Type of Display	Wireless LAN Through USB Display PC Free Display	LCD Size	0.8" with MLA (x3)	Driving Method	Poly Silicon TFT Active Matrix	Brightness	3500 ANSI Lumens	Wireless	Both on video and audio	Others	Full Function Remote Multi Screen Display Ceiling Mounted	1	Sony/ Hitachi or equivalent		
<b><u>Projector :-</u></b>																			
Type of Display	Wireless LAN Through USB Display PC Free Display																		
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Others	Full Function Remote Multi Screen Display Ceiling Mounted																		
23.	<b><u>Motorised Projection Screen</u></b> <b>Construction:</b> Heavy Duty Aluminium casing with powder-coating finishing <b>Screen Size:</b> 213x213cm with high gain <b>Viewing Angle:</b> 160 degrees (horizontal) ; 150 degrees (vertical) <b>Auto-Gear Mechanism</b>	1	Dalite/ Galalite draper or equivalent																
24.	<b><u>Others</u></b> The audio-video system to house a Multi region DVD player. The entire wiring of audio-visual system should be on CSA, UL, RoHS certified Braided structure with low loss, high transmission, certified cables.	1																	

**Note:** Panelling should include use of acoustically treated panels, where ever possible.

**We agree to supply the above goods in accordance with the technical specifications as shown above within the period specified in the Invitation for Tender.**

**Signature of the Bidder  
Name**

**Date:**

## Technical Specification for Conference Hall

### A) Civil, Electrical & Furnishing Works:-

SN	Item	Qty (Approx)	Make/ model	Compliance statement (Y/N)	Deviations if any
1A	Maintenance free False Ceiling In anodised aluminium grid system comprising of Main & Cross 'T' suspended from roof with MS tie rods & panelled by 2' x 2' x 9 mm Decortive type Gypsum board of standard ISI make with the provision for random 2' x 2' lighting systems.	840 sq feet			
1B	False ceiling with Pre-Laminated particle board of standard ISI make with provision for random 2' x 2' lighting systems.	840 sq feet			
2.	Wooden Paneling: 1.1/2" x 1" wooden frame work on the wall to level the paneling 6 mm ply will be pasted on it and again one more 6 mm commercial ply pasted on it such a manner that grooves design will be formed in desired pattern and 4 mm thick teak ply will be pasted on it and furnished in melamine polish.	1250 sq feet			
3	22 delegate + 3 chairman seater Rectangular Conference table of standard make with cable manager. Each delegate seater to have approx. 30" x 2' table space.	25 seat			
4	Delegate Chairs for conference table including 2 by the side of chairman	24 units			
5	Chairman chair	1 unit			
6	Room chairs along side of the wall with or without fitted with folding writing plank.	40 units			
7	Podium with adjustable reader desk, with provision of electrical connection, laptop space, portable stool for shorter people	Complete set			
8	19" 24U Acoustic Rack for keeping audio visual equipments & 2 storage drawers	1 unit			
9	Audio Visual Controller Chair	2 units			
10	Auditorium cables electrical work including modular switches & sockets in modular boxes, with dimmers with lighting system for controlling ambient light, based on anchor / finolex / havells / or similar make of wire.	Complete work			
11 A	Existing Air conditioner position change as per requirement with new or extension of pipes, cleaning & servicing <b>OR</b>	Complete			
11 B	Installation of new split Air conditioner (1.5 tone capacity) of reputed make as per requirement				
12	Flooring : The final floor shall be fitted with woolen carpeting of standard quality	840 sq feet			
13	Venetian blinds of appropriate size and shade for required windows area	Complete Hall			

**B) Digital Audio & Video System:-**

14.	<p><b><u>Chairman Microphones</u></b>          Desktop Base with 10 foot Cable, one with 18" and 2 with 12"Gooseneck, Logic Functions, Programmable Switch and LED Indicator, Snap-Fit Foam Windscreen. Balanced, transformer less output for increased immunity to noise over long cable runs. Shock mount provides over 20 dB isolation from surface vibration noise. Locking flange mount for permanently securing microphone to lecterns, pulpits, or conference tables.  <b>Frequency Response</b> : 50 to 17,000 Hz  <b>Output Impedance</b> : 180 ohms actual (EIA rated at 150 ohms)  <b>Sensitivity (At 1,000 Hz, open circuit voltage*)</b> : Cardioid: -35.0 dBV/Pa (17.8 mV) All values -12 dB at 0 gain; *1 Pascal = 94 dB SPL</p>	3 complete sets	Bosch/ SHURE or equivalent		
15.	<p><b><u>Delegate Microphones</u></b>          Miniature boundary microphone for multi-miking applications; This low profile circular mic permanently installs into a hole drilled in a table  <b>Frequency Response</b> : 50 to 15,000 Hz  <b>Polar pattern:</b> Super cardioid  <b>Impedance</b> : 150 ohms balanced  <b>Max. SPL:</b> 120 dB SPL at 3% THD          Current drain: 4 mA nominal          Connector: 3-pin pro audio, XLR-M type</p>	16 complete sets	Beyer dynamics/ Bosch/ Crown or equivalent		
16.	<p><b><u>Wireless Collar Microphone</u></b>  <b>Type</b> : Condenser (electret bias)  <b>Frequency Response</b> : 50 to 17,000 Hz  <b>Output impedance:</b> 1800 ohms  <b>Wireless Receiver</b>  <b>RF Carrier Frequency Range</b> : 554.000 to 865.000 MHz  <b>Effective Range</b> : 100 m (300 ft.) under optimal conditions  <b>Audio Frequency Response</b> : 25 to 15,000 Hz, <math>\pm 2</math> dB  <b>Spurious Rejection</b> : 75 dB typical  <b><u>Wireless Transmitter</u></b>          Three-segment battery fuel gauge          Frequency and power lockout          300 foot (100m) operating range</p>	1 complete set	Bosch/ SHURE or equivalent		
17.	<p><b><u>Wireless Handheld Microphone</u></b>          Vocal microphone.          Cardioid (unidirectional) dynamic          Frequency response: 50 to 15,000 Hz  <b><u>Wireless Diversity Receiver</u></b>  <b>Effective Range</b> : 100 m (300 ft.) under optimal conditions  <b>Audio Frequency Response</b> : 25 to 15,000 Hz, <math>\pm 2</math> dB  <b>Impedance</b> (output): 50 ohms at line level; 2000 ohms at mic level  <b>Spurious Rejection</b> : 75 dB typical</p>	2 complete sets	Bosch/ SHURE or equivalent		
18.	<p><b><u>Intelli mixer</u></b>          Eight balanced mic-line input channels (Phoenix block connectors)          One unbalanced 1/4" aux level input          Eight unbalanced 1/4" direct line level outputs          One balanced master line level output (Phoenix block connector)  <b>Frequency Response:</b>50 Hz to 20 kHz +/- 2 dB; -3dB corner at 25 Hz  <b>Overload and Shorting Protection</b> should be provided</p>	3 set	Bosch/ SHURE or equivalent		

19.	<b>Audio Transducer</b> Frequency Response : 20 Hz to 20 kHz +/- 1 dB Dynamic Range : 110 dB minimum, A-weighted, 20 Hz to 20 kHz	1 set	Bosch/ SHURE or equivalent			
20.	<b>Speakers</b> Frequency Range (-10dB) : 80Hz – 16 KHz1W, Frequency Response : 150 Hz – 20 KHz Power Capacity : 150 watts continuous program	6 sets	Bosch/ SHURE or equivalent			
21.	<b>Amplifier</b>	1 set	Bosch/ SHURE or equivalent			
22.	<b>Projector :-</b>	1	Sony/ Hitachi or equivalent			
	Type of Display					Wireless LAN Through USB Display PC Free Display
	LCD Size					0.8” with MLA (x3)
	Driving Method					Poly Silicon TFT Active Matrix
	Brightness					3500 ANSI Lumens
	Wireless					Both on video and audio
	Others	Full Function Remote Multi Screen Display Ceiling Mounted				
23.	<b>Motorised Projection Screen</b> Construction: Heavy Duty Aluminium casing with powder-coating finishing Screen Size: 213x213cm with high gain Viewing Angle: 160 degrees (horizontal) ; 150 degrees (vertical) Auto-Gear Mechanism	1	Dalite/Galalite draper/equivalent			
24.	<b>Others</b> The audio-video system to house a Multi region DVD player. The entire wiring of audio-visual system should be on CSA, UL, RoHS certified Braided structure with low loss, high transmission, certified cables.	1				

<b>Note:</b>	<p>Panelling should include use of acoustically treated panels, where ever possible.</p> <p>All board used should be water, termite &amp; fire resistant.</p> <p>Flooring &amp; Ceiling : Armstrong / Kajaria / Overa / or equivalent</p> <p>Aluminium frames or extruded channels : Indal / Hindalco / or equivalent</p> <p>Paints &amp; Varnishes : Berger / Johnson &amp; Nicolson / ICICI or equivalent</p> <p>Electrical Cables &amp; Fittings : Havells / Anchor / Finolex / or equivalent</p> <p>Furniture : Godrej / Zuari / Methodex or equivalent</p>
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**We agree to supply the above goods in accordance with the technical specifications as shown above within the period specified in the Invitation for Tender.**

**Signature of the Bidder  
Name**

**Date:**

## Price bid for Auditorium

### A) Civil, Electrical & Furnishing Works:-

Sr. No.	Particulars	Qty. (Approx.)	Brand	Rate (Per Unit)	Amount (Rs.)
1A.	Maintenance free False Ceiling In anodised aluminum grid system comprising of Main & Cross 'T' suspended from roof with MS tie rods & panelled by 2' x 2' x 9 mm Decorative type Gypsum board of standard ISI make with the provision for random 2' x 2' lighting systems. <b>OR</b>	1300 sq feet			
1B.	False ceiling with Pre-Laminated particle board of standard ISI make with provision for random 2' x 2' lighting systems.	1300 sq feet			
2.	Wooden Paneling: 1.1/2" x 1" wooden frame work on the wall to level the paneling 6 mm ply will be pasted on it and again one more 6 mm commercial ply pasted on it such a manner that grooves design will be formed in desired pattern and 4 mm thick teak ply will be pasted on it and furnished in melamine polish.	2000 sq feet			
3.	Flooring : The final floor shall be fitted with woolen carpeting of standard quality	1100 sq feet			
4.	Creation of main stage 17' x 8' with wooden flooring	136 feet			
5.	Auditorium chairs made in Iron metal frame work in 2+2 or 4 chair clusters and furnished in good quality foam & fabric (matching the interior of the hall) with tilting back of Standard Make	104 unit			
6.	Modular Stage Table in size of 3'x18"x4units (these dimensions may be altered to suit standard Table Size)	Complete set			
7.	Podium with adjustable reader desk, with provision of electrical connection, laptop space, portable stool for shorter people (with ICAR emblem on podium)	Complete set			
8.	Maintenance Free Anodised Aluminum Main Entrance Door in double sliding shutters sliding apart and paneled by 5.5 mm thick glass of approved quality	82.5 sq feet			
9.	19" 24U Acoustic Rack for keeping audio visual equipments & 2 storage drawers	1 Unit			
10.	Stage Table Chairs (1 big & 4 small) of standard brand	5 Unit			
11.	Audio Visual Controller Chair	2 Unit			
12.	Auditorium cables electrical work including modular switches & sockets in modular boxes, with dimmers with lighting system for controlling ambient light, based on anchor / finolex / havells / or similar make of wire.	Complete set			
13A	Existing Air conditioner position change as per requirement with new or extension of pipes, cleaning & servicing	Complete			
13B	Installation of new split air conditioner (1.5 tone) of reputed make as per requirement				
14.	Venetian blinds of appropriate size and shade for required windows area	Complete Hall			

**B) Digital Audio & Video System:-**

15.	<p><b><u>Chairman or Dias Microphones</u></b>  Desktop Base with 10 foot Cable, one with 18" and 2 with 12"Gooseneck, Logic Functions, Programmable Switch and LED Indicator, Snap-Fit Foam Windscreen. Balanced, transformer less output for increased immunity to noise over long cable runs. Shock mount provides over 20 dB isolation from surface vibration noise. Locking flange mount for permanently securing microphone to lecterns, pulpits, or conference tables.  <b>Frequency Response</b> : 50 to 17,000 Hz  <b>Output Impedance</b> : 180 ohms actual (EIA rated at 150 ohms)  <b>Sensitivity (At 1,000 Hz, open circuit voltage*)</b> : Cardioid: -35.0 dBV/Pa (17.8 mV) All values -12 dB at 0 gain; *1 Pascal = 94 dB SPL</p>	Complete set 2 (Table) + 1 (Podium)	Bosch/ SHURE or equivalent		
16.	<p><b><u>Wireless Collar Microphone</u></b>  <b>Type</b> : Condenser (electrets bias)  <b>Frequency Response</b> : 50 to 17,000 Hz  <b>Wireless Receiver</b>  <b>RF Carrier Frequency Range</b>: 554.000 to 865.000 MHz  <b>Effective Range</b>: 100 m (300 ft.) under optimal conditions  <b>Audio Frequency Response</b> : 25 to 15,000 Hz, <math>\pm 2</math> dB  <b>Spurious Rejection</b> : 75 dB typical  <b>Wireless Transmitter</b>  Three-segment battery fuel gauge  Frequency and power lockout  300 foot (100m) operating range</p>	1 complete set	Bosch/ SHURE or equivalent		
17.	<p><b><u>Wireless Handheld Microphone</u></b>  Vocal microphone.  Cardioid (unidirectional) dynamic  Frequency response: 50 to 15,000 Hz  <b>Wireless Diversity Receiver</b>  <b>Effective Range</b> : 100 m (300 ft.) under optimal conditions  <b>Audio Frequency Response</b> : 25 to 15,000 Hz, <math>\pm 2</math> dB  <b>Impedance</b> (output): 50 ohms at line level; 2000 ohms at mic level  <b>Spurious Rejection</b> : 75 dB typical</p>	2 complete sets	Bosch/ SHURE or equivalent		
18.	<p><b><u>Intelli mixer</u></b>  Eight balanced mic-line input channels (Phoenix block connectors)  One unbalanced 1/4" aux level input  Eight unbalanced 1/4" direct line level outputs  One balanced master line level output (Phoenix block connector)  <b>Frequency Response</b>:50 Hz to 20 kHz +/- 2 dB; -3dB corner at 25 Hz  <b>Overload and Shorting Protection</b></p>	1 set	Bosch/ SHURE or equivalent		
19.	<p><b><u>Audio Transducer</u></b>  <b>Frequency Response</b> : 20 Hz to 20 kHz +/- 1 dB  <b>Dynamic Range</b> : 110 dB minimum, A-weighted, 20 Hz to 20 kHz</p>	1 set	Bosch/ SHURE or equivalent		
20.	<p><b><u>Speakers</u></b>  <b>Frequency Range (-10dB)</b> : 80Hz – 16 KHz1W,  <b>Frequency Response</b> : 150 Hz – 20 KHz  <b>Power Capacity</b> : 150 watts continuous program</p>	8 set	Bosch/ SHURE or equivalent		

21	<b>Amplifier</b>	1 set	Bosch/ SHURE or equivalent		
22.	<b>Projector:-</b>	01 No.	Sony/ Hitachi or equivalent		
	Type of Display	Wireless LAN through USB Display, PC Free Display			
	LCD Size	0.8" with MLA (x3)			
	Driving Method	Poly Silicon TFT Active Matrix			
	Brightness	3500 ANSI Lumens			
	Wireless	Both on video and audio			
	Others	Full Function Remote Multi Screen Display Ceiling Mounted			
23.	<b><u>Motorised Projection Screen</u></b> <b>Construction:</b> Heavy Duty Aluminum casing with powder-coating finishing. <b>Screen Size:</b> 213x213cm with high gain <b>Viewing Angle:</b> 160 degrees (horizontal); 150 degrees (vertical). <b>Auto-Gear Mechanism</b>	01 No.	Dealite /Galalite draper or equivalent		
24.	<b><u>Others</u></b> The audio-video system to house a Multi region DVD player. The entire wiring of audio-visual system should be on CSA, UL, RoHS certified Braided structure with low loss, high transmission, certified cables.	01 No.			

**Note: Paneling should include use of acoustically treated panels, where ever possible.**

Special discount Rs. \_\_\_\_\_ (if any).

Gross Total Cost: Rs. \_\_\_\_\_ (in figures) Rupees \_\_\_\_\_  
\_\_\_\_\_ only (in words).

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (in figures) within the period specified in the Invitation for Tender.

Signature of the Bidder  
Name

Date:

## Price bid for Conference Hall

### A) Civil, Electrical & Furnishing Works:-

Sr. No.	Particulars	Qty. (Approx.)	Brand	Rate (Per Unit)	Amount (Rs.)
1A.	Maintenance free False Ceiling In anodised aluminium grid system comprising of Main & Cross 'T' suspended from roof with MS tie rods & panelled by 2' x 2' x 9 mm Decorative type Gypsum Board of standard ISI make with the provision for random 2' x 2' lighting systems <b>OR</b>	840 sft.			
1B.	False ceiling with Pre-Laminated particle board of standard ISI make with provision for random 2' x 2' lighting systems.	840 sft.			
2.	Wooden Paneling: 1.1/2" x 1" wooden frame work on the wall to level the paneling 6 mm ply will be pasted on it and again one more 6 mm commercial ply pasted on it such a manner that grooves design will be formed in desired pattern and 4 mm thick teak ply will be pasted on it and furnished in melamine polish.	1250 sft.			
3.	22 delegate + 3 chairman seater Rectangular Conference table of standard make with cable manager. Each delegate seater to have approx. 30" x 2' table space.	25 seat			
4.	Delegate Chairs for conference table including 2 by the side of chairman	24 unit			
5.	Chairman chair	01 unit			
6.	Room chairs along side of the wall with or without fitted with folding writing plank.	40 unit			
7.	Podium with adjustable reader desk, with provision of electrical connection, laptop space, portable stool for shorter people	Complete set			
8.	19" 24U Acoustic Rack for keeping audio visual equipments & 2 storage drawers	01 unit			
9.	Audio Visual Controller Chair	02 unit			
10.	Auditorium cables electrical work including modular switches & sockets in modular boxes, with dimmers with lighting system for controlling ambient light, based on anchor / finolex / havells / or similar make of wire.	Complete work			
11A	Existing Air conditioner position change as per requirement with new or extension of pipes, cleaning & servicing	Complete work			
11B	Installation of new split air conditioner (1.5 tone capacity) of reputed make as per requirement				
12.	Flooring : Woolen carpeting with standard quality	840 sft.			
13.	Venetian blinds of appropriate size and shade for required windows area	Complete Hall			

**B) Digital Audio & Video System:-**

14.	<p><b><u>Chairman Microphones</u></b>          Desktop Base with 10 foot Cable, one with 18" and 2 with 12" Gooseneck, Logic Functions, Programmable Switch and LED Indicator, Snap-Fit Foam Windscreen. Balanced, transformer less output for increased immunity to noise over long cable runs. Shock mount provides over 20 dB isolation from surface vibration noise. Locking flange mount for permanently securing microphone to lecterns, pulpits, or conference tables.  <b>Frequency Response</b> : 50 to 17,000 Hz  <b>Output Impedance</b> : 180 ohms actual (EIA rated at 150 ohms)  <b>Sensitivity (At 1,000 Hz, open circuit voltage*)</b> : Cardioid: -35.0 dBV/Pa (17.8 mV) All values -12 dB at 0 gain; *1 Pascal = 94 dB SPL</p>	3 Complete sets	Bosch/ SHURE or equivalent		
15.	<p><b><u>Delegate Microphones</u></b>          Miniature boundary microphone for multi-miking applications; This low profile circular mic permanently installs into a hole drilled in a table.  <b>Frequency Response:</b> 50 to 15,000 Hz  <b>Polar pattern:</b> Super cardioid  <b>Impedance:</b> 150 ohms balanced  <b>Max. SPL:</b> 120 dB SPL at 3% THD          Current drain: 4 mA nominal          Connector: 3-pin pro audio, XLR-M type.</p>	16 Complete sets	Bosch/ SHURE or equivalent		
16.	<p><b><u>Wireless Collar Microphone</u></b>  <b>Type</b> : Condenser (electret bias)  <b>Frequency Response</b> : 50 to 17,000 Hz  <b><u>Wireless Receiver</u></b>  <b>RF Carrier Frequency Range:</b> 554.000 to 865.000 MHz  <b>Effective Range:</b> 100 m (300 ft.) under optimal conditions  <b>Audio Frequency Response</b> : 25 to 15,000 Hz, <math>\pm 2</math> dB  <b>Spurious Rejection</b> : 75 dB typical  <b><u>Wireless Transmitter</u></b>          Three-segment battery fuel gauge          Frequency and power lockout          300 foot (100m) operating range.</p>	1 complete set	Bosch/ SHURE or equivalent		
17.	<p><b><u>Wireless Handheld Microphone</u></b>          Vocal microphone.          Cardioid (unidirectional) dynamic          Frequency response: 50 to 15,000 Hz  <b><u>Wireless Diversity Receiver</u></b>  <b>Effective Range</b> : 100 m (300 ft.) under optimal conditions  <b>Audio Frequency Response</b> : 25 to 15,000 Hz, <math>\pm 2</math> dB  <b>Impedance</b> (output): 50 ohms at line level; 2000 ohms at mic level  <b>Spurious Rejection</b> : 75 dB typical</p>	2 complete sets	Bosch/ SHURE or equivalent		
18.	<p><b><u>Intelli mixer</u></b>          Eight balanced mic-line input channels (Phoenix block connectors)          One unbalanced 1/4" aux level input          Eight unbalanced 1/4" direct line level outputs          One balanced master line level output (Phoenix block connector)  <b>Frequency Response:</b> 50 Hz to 20 kHz <math>\pm 2</math> dB; -3dB corner at 25 Hz  <b>Overload and Shorting Protection</b></p>	3 sets	Bosch/ SHURE or equivalent		

19.	<b>Audio Transducer</b> Frequency Response : 20 Hz to 20 kHz +/- 1 dB Dynamic Range : 110 dB minimum, A-weighted, 20 Hz to 20 kHz	1 set	Bosch/ SHURE or equivalent			
20.	<b>Speakers</b> Frequency Range (-10dB) : 80Hz – 16 KHz1W, Frequency Response : 150 Hz – 20 KHz Power Capacity : 150 watts continuous program	6 sets	Bosch/ SHURE or equivalent			
21.	<b>Amplifier</b>	1 set	Bosch/ SHURE or equivalent			
22.	<b>Projector:-</b>	01 No.	Sony/ Hitachi or equivalent			
	Type of Display					Wireless LAN through USB Display, PC Free Display
	LCD Size					0.8" with MLA (x3)
	Driving Method					Poly Silicon TFT Active Matrix
	Brightness					3500 ANSI Lumens
	Wireless					Both on video and audio
	Others	Full Function Remote Multi Screen Display Ceiling Mounted				
23.	<b>Motorised Projection Screen</b> Construction: Heavy Duty Aluminium casing with powder-coating finishing Screen Size: 213x213cm with high gain Viewing Angle: 160 degrees (horizontal) ; 150 degrees (vertical) Auto-Gear Mechanism	01 No.	Dealite /Galalite draper or equivalent			
24.	<b>Others</b> The audio-video system to house a Multi region DVD player. The entire wiring of audio-visual system should be on CSA, UL, RoHS certified Braided structure with low loss, high transmission, certified cables.	01 No.				

<b>Note:</b>	Panelling should include use of acoustically treated panels, where ever possible. All board used should be water, termite & fire resistant.
Suggestive Brands	Aluminium frames or extruded channels : Indal / Hindalco / or equivalent Paints & Varnishes : Berger / Johnson & Nicolson / ICICI or equivalent Electrical Cables & Fittings : Havells / Anchor / Finolex / or equivalent Furniture : Godrej / Zuari / Methodex or equivalent

Special discount Rs. \_\_\_\_\_ (if any).

Gross Total Cost: Rs. \_\_\_\_\_ (in figures) Rupees \_\_\_\_\_  
\_\_\_\_\_ only (in words).

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (in figures) within the period specified in the Invitation for Tender.

Signature of the Bidder  
Name

Date: