

**Tender for Procurement of Audio Visual
System for Conference Hall, BHEL House,
Siri Fort, New Delhi**



Last date of submission of tender – 14:00 Hrs. on 01.06.2011
Due date for opening of tender –15:00 Hrs. on 01.06.2011

Bharat Heavy Electricals Limited
BHEL House, Siri Fort, New Delhi-110049
Tel:011-66337405, Fax:011-66337428



Bharat Heavy Electricals Ltd.

Corporate Administration
BHEL House, Siri Fort, New Delhi-49

Ref: AA:GAX:10:AC:101

Date: 23.05.2011

Last date of submission of tender – 14:00 Hrs. on 01.06.2011
Due date for opening of tender –15:00 Hrs. on 01.06.2011

Sub: Tender for Supply, Installation, Testing & Commissioning of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort, New Delhi

Your most competitive bid is invited in sealed cover for the subject tender. The terms & conditions of the tender are mentioned below:

1.0 TERMS & CONDITIONS OF TENDER

- 1.1 The Scope of Supply and the Scope of Work is mentioned in **Annexure–VII**. The material to be supplied should be of makes mentioned in **Annexure–II**.
- 1.2 The Audio Visual System is to be installed in the Conference Hall on 2nd Floor of BHEL House, Siri Fort, New Delhi.
- 1.3 The material is being procured on outright purchase basis.
- 1.4 **Pre-qualification criteria for the tenderers:**
 - a) The tenderer should have an average annual turnover of Rs.13 Lakhs during last three financial years ending on 31.03.2011.
 - b) The tenderer should have successfully completed Supply & installation of Audio Visual System of following value, during last 7 years ending on 30.04.11:
 - i) At least one worth Rs.35 Lakhs; **or**
 - ii) At least two worth Rs.22 Lakhs each; **or**
 - iii) At least three worth Rs.17 Lakhs each
 - c) The tenderer should have a PAN No. and Service Tax Registration No.
 - d) The tenderer should have valid ISO:9001 Certification
- 1.5 All materials should be as per applicable Indian standards. Only brand new material should be supplied.

- 1.6 The tenders should be strictly in accordance with the terms & conditions, mentioned herein; otherwise they are liable to be rejected.
- 1.7 BHEL reserves the right to increase / decrease the item quantities. However, the total PO value shall not increase by more than 10%.
- 1.8 The prices should be quoted in the price bid format **Annexure-I** (enclosed). If the prices are quoted in any other form then the bid is liable to be rejected.
- 1.9 Provided the bid is substantially responsive, BHEL shall correct arithmetical errors, if any on the following basis:
- (a) If there is discrepancy between the Unit item Rate and the item amount, the Unit item rate shall prevail and the item amount shall be corrected.
- (b) If there is an error in the subtotal corresponding to the addition or subtraction of item amounts, the item amounts shall prevail and the subtotal shall be corrected.
- (c) If there is an error in the total package price corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total package price shall be corrected.
- In case of such errors, higher value will be considered for comparison and lower for ordering.
- 1.10 Unit rate to be quoted for items in Part-A (refer Annexure-I) should be inclusive of all taxes and duties. Unit rate to be quoted for items in Part-B & C (refer Annexure-I) should be inclusive of all taxes and duties, except Service Tax. Service Tax shall be payable extra at applicable rate for these items.
- 1.11 The unit rate should be quoted on FOR BHEL House, Siri Fort, New Delhi and should be inclusive of the charges for packing & forwarding, freight & insurance, loading, unloading and lifting upto the site on 2nd floor.
- 1.12 The offer should remain valid for a period of at least 90 days from due date of the tender. The prices quoted shall remain firm during the validity of the offer.
- 1.13 The unit rate of item in Part-C (AMC) shall remain firm for a period of 4 years starting from date of expiry of warranty period and no escalation shall be permissible on any ground whatsoever.
- 1.14 **Evaluation Price:** The tenderer, quoting the lowest 'Total Package Price' (excluding service tax), shall be L1. Normally, contract shall be awarded to the L1 tenderer at lowest price (Refer Price Bid Format **Annexure-I**).
- 1.15 Each tenderer shall have to deposit EMD of Rs.1,00,000.00 (One Lakh only) for this tender and the same will be in the form of Pay Order or Demand Draft only, in favour of BHEL, payable at New Delhi. EMD submitted by way of cheque will not be accepted & tender(s) submitted without EMD will be rejected.

EMD submitted by tenderer will be forfeited if tenderer revokes his tender or increases his prices. EMD of all tenderers will be returned within fifteen days from date of acceptance of order by the successful tenderer. \

NEFT Details (i.e, Bank name, Bank address, IFSC Code of the bank, Account number, MICR code) should be furnished alongwith the tender, by the tenderers to facilitate electronic refund of EMD.

- 1.16 The successful tenderer should submit security deposit cum performance bank guarantee from any scheduled bank as per the prescribed format within 7 days from the date of placement of order; otherwise the order may be cancelled.

The amount of the bank guarantee to be submitted shall be equivalent to 10% of the total order value for Part-A items (Refer Price Bid Format Annexure I) and its validity should be for a period of five years.

- 1.17 Supply of the Audio Visual System should be completed in all respects within six weeks from date of issue of Purchase Order. Otherwise, penalty charges shall be imposed for delayed delivery @ half percent per week or part thereof and subject to a maximum of 10% the total order value for Part-A items (Refer Price Bid Format Annexure I). Installation & testing should be completed in all respects within ten weeks from date of issue of Purchase Order.

- 1.18 "Acceptance Testing" will be undertaken by BHEL on completion of installation. The Audio Visual System will be deemed to have been commissioned after successful acceptance testing. BHEL will complete the acceptance testing within 7 days from the date, the successful tenderer formally offers the system for acceptance testing.

- 1.19 75% payment for items in Part-A (i.e., item nos. 1 – 26) will be made within 30 days from the date of receipt of material in good condition. Balance 25% payment for Part-A items will be made within 30 days from the date of commissioning.

- 1.20 100% payment for Part-B items will be made within 30 days from the date of commissioning.

- 1.21 After expiry of warranty period, payment for Part-C (i.e. item no. 53) will be made quarterly in arrears.

- 1.22 No advance payment shall be made by BHEL.

- 1.23 Please note that the payment shall be made on the basis of the actual quantity of items consumed at unit item rates ordered, which are duly certified by BHEL.

- 1.24 The successful tenderer shall have to integrate the complete Audio / Visual system including the Polycom Video Conferencing equipment and the Multimedia projector which will be provided by BHEL.

- 1.25 The following work shall be undertaken by the successful tenderer, if required, at no extra cost:

a) Cutting of conference table & fixing of conduits, raceways and cable managers.

- b) Mounting of equipments in the equipment rack.
 - c) Termination of cables and through connectors.
 - d) Ceiling / wall / floor chiseling for laying conduits, raceways etc.
 - e) Integration of all equipments / devices.
- 1.26 The successful tenderer should insure the material at his own cost and any loss or damage to the material, during handling, transportation; storage, etc up till commissioning shall be to the account of the successful tenderer.
- 1.27 The Audio Visual System shall remain under on-site warranty for a period of one year from the date of commissioning.
- 1.28 After the expiry of warranty period, the successful tenderer shall have to maintain the supplied equipments under a comprehensive maintenance contract. This contract for the first four years after expiry of warranty period shall be awarded to the successful tenderer at the rate quoted for this item. During this period, no amount shall be paid on account of any maintenance, spare parts, etc. The terms and conditions of AMC are specified in **Annexure- V**.
- 1.29 BHEL reserves the right to accept or reject any of the bid / all bids with or without deviation or cancel / withdraw the invitation for bid without assigning any reason whatsoever and in such case no tenderer shall have any claim arising out of such action by BHEL.

2.0 PROCEDURE FOR SUBMISSION OF SEALED TENDERS

- 2.1 The offer is to be submitted as required in two parts. **First sealed envelope** should prominently be super-scribed as "Part-1 Techno-commercial Bid of tender for Supply, Installation, Testing & Commissioning of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort, New Delhi, due on ____". Envelope of Part-1 "Techno-commercial Bid" should contain following documents:
- a) Copy of Audited Balance sheet (highlighting the turnover figures and gross total income figures) and Income Tax Return for three financial years ending on 31.03.2011 (Audited if available for FY 2010-11, otherwise provisional balance sheet should be duly signed by the auditor should be submitted) in support of Pre qualification criterion {Para 1.4 a)}
 - b) Copy of Work Order and Completion / Commissioning Certificate in support of Pre qualification criterion {Para 1.4 b)} (highlighting the contract value figure(s) for Supply & installation of Audio visual system)
 - c) Copy of Service Tax Registration Certificate and Copy of Pan Card {Para 1.4 c)}
 - d) Copy of valid ISO:9001 Certificate {Para 1.4 d)}
 - e) Un-priced price bid i.e., price bid format (**Annexure – I**) with "Q" written in place of prices.
 - f) **Annexure-II** duly filled along with Technical brochures of the model offered.
 - g) Compliance statement for Terms & Conditions as per Annexure-III
 - h) Declaration as per Annexure V
 - i) Acceptance / Deviation Certificate as per Annexure VI.
 - j) Covering letter giving index interlinking all the documents with all pages signed & stamped.

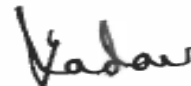
Second sealed envelope should prominently be super-scribed as "Part-2 Price Bid of tender for Supply, Installation, Testing & Commissioning of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort, New Delhi, due on ____". Envelope of Part-2 "Price Bid" should contain prices duly quoted in the Price bid format (**Annexure-I**) only. The price bid should not contain any terms & conditions. All terms & conditions should be mentioned only in Part-1 "Techno-commercial Bid". Terms & conditions mentioned in the price bid shall be ignored.

The **third envelope** shall contain required amount of EMD (as per Para 1.14 above) and should be superscribed as "EMD for tender for Supply, Installation, Testing & commissioning of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort, New Delhi, due on ____". These three envelopes should be put together in sealed cover and should be superscribed as "Tender for Supply, Installation, Testing & Commissioning of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort, New Delhi, due on ____".

- 2.2 Techno – commercial bid of tender shall be opened on the due date and time as mentioned above in the presence of tenderers or their authorized representatives who may like to be present.
- 2.3 Techno – commercial bids will be evaluated first. The price bid of only those tenderers, who qualify the evaluation of techno – commercial bids, shall be opened. Date of opening of Price Bid will be intimated separately to the Tenderers who qualify in the Techno – commercial bid evaluation. **BHEL, however, reserves the right to opt for reverse auction (online bidding) instead of opening of sealed price bids, for determining the lowest tenderer. The reverse auction will be undertaken as per BHEL guidelines which will be sent to the techno-commercially qualified tenderers before the event.**
- 2.4 The tenderers are required to quote for all the items & no column should be left blank. Tenders for part supply or incomplete in any respect, are liable to be rejected.

The tender(s) should reach the under mentioned on or before the due date mentioned above. BHEL will not be responsible for delay in receipt of tender(s), sent by post / courier. In case you have any queries regarding the above tender then the same should be sent via email to the undersigned within one week from the date of advertisement of NIT. Corrigendum(s) issued, if any by us in future shall be hosted on BHEL website www.bhel.com. Therefore, the tenderers are advised to keep visiting the same website regularly.

For & on behalf of
Bharat Heavy Electricals Ltd.



(Rajan Yadav)
Manager (HR-GAX)
Phone No.: 011 – 66337405
Mobile No.: 9810506306
Fax: 011 – 66337428
E-mail: admry@bhel.in

Enclosures: As above

**Price bid format for the Tender for SITC of Audio Visual System at 2nd Floor Conference
Hall in BHEL House, Siri Fort, New Delhi**

SN	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
Part-A					
1	Supply of boundary layer condenser microphone with cardioid polar pattern LED indicator & on/off switch.	35	Nos.		
2	Supply of UHF Wireless Lapel/collar microphone	2	Nos.		
3	Supply of UHF Wireless Handheld dynamic supercardioid microphone	2	Nos.		
4	Supply of DSP Mixer with 44 Inputs – AEC / Noise canceller / Feedback reduction w/Auto Mic Mixing and Matrix Mixer Input and 8 line outputs with 2 channel Telephone (PSTN) Interface	1	Set		
5	Supply of PC Based professional audio Recording software	1	No.		
6	Supply of line array speaker with adjustable coverage, minimum 16 nos. of drivers, minimum 300 watts rms power output and coverage upto 20 meters	2	Nos.		
7	Supply of Stereo Class D Power Amplifier, dual channel, to drive the speakers at S.No.6	1	No.		
8	Supply of 22 AWG Microphone 4 core Cable with 2 wires shielded, 2 control lines, overall shield.	1200	RM		
9	Supply of Connectors	1	Set		
10	Supply of DTH Cable TV Box	1	No.		
11	Supply of Progressive Scan DVD Player with S-Video/Component Video/ HDMI output	1	No.		
12	Supply of Fixed Ceiling mount for projector as per site requirement to take upto 15 Kg of load with 3 axis adjustment.	1	No.		
13	Supply of Motorized projection screen with Native 16:10 aspect ratio. Picture size 65" x 104" with 123" diagonal	1	No.		
14	Supply of Full HD LCD Monitor, diagonal size minimum 70 inch.	1	No.		

15	Supply of VGA Matrix Switcher of configuration 12x8 to route high resolution computer-video and stereo audio signals on 15-pin HD connectors with a bandwidth of 350MHz or above with glitch free switching, audio input gain attenuation and RS232 control port.	1	No.		
16	Supply of Hide Away surface enclosure type cable cubby with female 15-pin HD connector and 3.5 mm mini stereo audio jack, Composite Video Input, Two CAT 6 RJ-45 network/data/phone connectors; unswitched AC outlet, Black color, CE compliant	5	Nos.		
17	Supply of 12' moulded VGA cable with audio	5	Nos.		
18	Supply of RGBHV cable	350	RM		
19	Supply of RG59 Video cable	150	RM		
20	Supply of S-Video Video cable	25	RM		
21	Supply of CAT6 Cable	400	RM		
22	Supply of 42U Equipment Rack with all required accessories, caster wheel, Front perforated door, Cooling fan, Dual Power strips (16 socket on each side), earthing kit, KVM switch with 16 ports & cables alongwith rack mountable 17 inch LCD Monitor with integrated mouse & key board, 2 nos. of mounting kit, 4 nos. of rack tray, etc.	1	No.		
23	Supply of MS conduit 25 mm dia, 2 mm thickness	5	RM		
24	Supply of PVC conduit 32 mm dia, 2mm thickness	5	RM		
25	Supply of Ethernet enabled Control processor, 6 x RS232, 8 x IR, 8 x Relay complete with 5.7" wireless touch panel , docking station cum charger and all necessary accessories to complete the control system alongwith compatible wifi access point, high voltage relay controller,etc	1	No.		

26	Supply of Desktop PC with 15" TFT monitor Core 3 processor, DVD Writer, LAN Card, 4 x USB, 320 GB HDD, 3 GB RAM	1	No.		
Sub-Total (Part-A) = Rs.					

Part-B					
27	Installation, testing & Commissioning of boundary layer condenser microphone with cardioid polar pattern LED indicator & on/off switch.	35	Nos.		
28	Installation, testing & Commissioning of UHF Wireless Lapel/collar microphone	2	Nos.		
29	Installation, testing & Commissioning of UHF Wireless Handheld dynamic supercardioid microphone	2	Nos.		
30	Installation, testing & Commissioning of DSP Mixer with 44 Inputs – AEC / Noise canceller / Feedback reduction w/Auto Mic Mixing and Matrix Mixer Input and 8 line outputs with 2 channel Telephone (PSTN) Interface	1	Set		
31	Installation, testing & Commissioning of PC Based professional audio Recording software	1	No.		
32	Installation, testing & Commissioning of line array speaker with adjustable coverage, minimum 16 nos. of drivers, minimum 300 watts rms power output and coverage upto 20 meters	2	Nos.		
33	Installation, testing & Commissioning of Stereo Class D Power Amplifier, dual channel, to drive the speakers at S.No.6	1	No.		
34	Laying of 22 AWG Microphone 4 core Cable with 2 wires shielded, 2 control lines, overall shield, through existing conduits	1200	RM		
35	Fixing of Connectors	1	Set		
36	Installation, testing & Commissioning of DTH Cable TV Box	1	No.		
37	Installation, testing & Commissioning of Progressive Scan DVD Player with S-Video/Component Video/ HDMI output	1	No.		

38	Installation, testing & Commissioning of Fixed Ceiling mount for projector as per site requirement to take upto 15 Kg of load with 3 axis adjustment.	1	No.		
39	Installation, testing & Commissioning of Motorized projection screen with Native 16:10 aspect ratio. Picture size 65" x 104" with 123" diagonal	1	No.		
40	Installation, testing & Commissioning of Full HD LCD Monitor, diagonal size minimum 70 inch.	1	No.		
41	Installation, testing & Commissioning of VGA Matrix Switcher of configuration 12x8 to route high resolution computer-video and stereo audio signals on 15-pin HD connectors with a bandwidth of 350MHz or above with glitch free switching, audio input gain attenuation and RS232 control port.	1	No.		
42	Installation, testing & Commissioning of Hide Away surface enclosure type cable cubby with female 15-pin HD connector and 3.5 mm mini stereo audio jack, Composite Video Input, Two CAT 6 RJ-45 network/data/phone connectors; unswitched AC outlet, Black color, CE compliant	5	Nos.		
43	Laying of 12' moulded VGA cable with audio	5	Nos.		
44	Laying of RGBHV cable	350	RM		
45	Laying of RG59 Video cable	150	RM		
46	Laying of S-Video Video cable	25	RM		
47	Laying of CAT6 Cable	400	RM		
48	Installation, testing & Commissioning of 42U Equipment Rack with all required accessories, caster wheel, Front perforated door, Cooling fan, Dual Power strips (16 socket on each side), earthing kit, KVM switch with 16 ports & cables alongwith rack mountable 17 inch LCD Monitor with integrated mouse & key board, 2 nos. of mounting kit, 4 nos. of rack tray, etc.	1	No.		
49	Laying of MS conduit 25 mm dia, 2mm thickness	5	RM		

50	Laying of PVC conduit 32 mm dia, 2mm thickness	5	RM		
51	Installation, testing & Commissioning of Ethernet enabled Control processor, 6 x RS232, 8 x IR, 8 x Relay complete with 5.7" wireless touch panel , docking station cum charger and all necessary accessories to complete the control system alongwith compatible wifi access point, high voltage relay controller,etc	1	No.		
52	Installation, testing & Commissioning of Desktop PC with 15" TFT monitor Core 3 processor, DVD Writer, LAN Card, 4 x USB, 320 GB HDD, 3 GB RAM	1	No.		
Sub-Total (Part-B)= Rs.					
Part-C					
53	Comprehensive maintenance charges for the complete system (including all the items listed above) as per tender terms and conditions	1	Job		
Sub-Total (Part-C)= Rs.					
Total Package Price (Part-A + B + C)= Rs.					

Note:-

1. The unit rate to be quoted for item No. 53 should be the maintenance charges per year. And the Amount is the cost for maintaining it for a period of 4 years is {Maintenance charges per annum x 4 (years)}.
2. Unit rate to be quoted for items in Part-A should be inclusive of all taxes and duties.
3. Unit rate to be quoted for items in Part-B & C should be inclusive of all taxes and duties, except Service Tax. Service Tax shall be payable extra at applicable rate, for these items

List of Makes

SN	Item	Make of Item Required	Make of Item Offered	Model of Item Offered
1	Boundary layer microphones	Beyerdynamic / Shure / AKG		
2	UHF Wireless microphone	Beyerdynamic / Shure / AKG		
3	DSP Mixer	Clearone / Biamp/ Polycom		
4	Lline array speakers	Tannoy / Renkus-Heinz / JBL		
5	Power Amplifier	Crestaudio / Lab Gruppen / Crown		
6	Microphone Cable	Extron / Belden / Altinex		
7	Connectors	Belden / Extron / Altinex		
8	DVD Player	Sony / Panasonic / Pioneer		
9	Motorized projection screen	Draper / Da-Lite / Stewart		
10	LCD Monitor	Samsung / NEC / Barco		
11	VGA switcher	Extron / AMX / Altinex		
12	Cable cubby	Extron / AMX / Altinex		
13	VGA cable	Extron / Belden / Altinex		
14	RGBHV cable	Extron / Belden / Altinex		
15	RG59 Video cable	Extron / Belden / Altinex		
16	S-Video Video cable	Extron / Belden / Altinex		
17	CAT6 Cable	Panduit / Avaya / AMP		
18	Equipment Rack	Gigatron / Valrack / President APW		
19	Conduit	AKG / BEC / Polycab		
20	Wireless touch control panel	AMX / Crestron / Extron		
21	Desktop PC	HP / DELL / IBM		

Compliance Statement for Terms and Conditions

Para No.	Complied (Yes/No)	Deviations (if any)
1.1		
1.3		
1.4		
1.5		
1.6		
1.7		
1.8		
1.9		
1.10		
1.11		
1.12		
1.13		
1.14		

1.15		
1.16		
1.17		
1.18		
1.19		
1.20		
1.21		
1.22		
1.23		
1.24		
1.25		
1.26		
1.27		
1.28		
1.29		

Tender for SITC of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort, New Delhi

Terms and Conditions of AMC

Preventive maintenance:

1. Service of the complete Audio Visual system should be undertaken at least once every quarter.

Breakdown maintenance:

2. The remedial or breakdown maintenance shall have to be undertaken as and when complaint is lodged over telephone. All complaints should be attended within 48 hours from the time of their lodgment.
3. Spare parts required for maintenance should be provided at no extra cost.

**Tender for SITC of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort,
New Delhi**

Declaration

We hereby declare that we have not been banned or de-listed by any PSU / Government Department / Financial Institution / Court.

Authorized signatory
(With seal)

**Tender for SITC of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort,
New Delhi**

Acceptance / Deviation Certificate

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of this tender. We hereby undertake and confirm that we have understood the terms and conditions as mentioned in this tender enquiry.

Authorized signatory
(With seal)

Tender for SITC of Audio Visual System at 2nd Floor Conference Hall in BHEL House, Siri Fort, New Delhi

Scope of Supply

SN	Description	Qty.	Unit
1	Supply of boundary layer condenser microphone with cardioid polar pattern LED indicator & on/off switch.	35	Nos.
2	Supply of UHF Wireless Lapel/collar microphone	2	Nos.
3	Supply of UHF Wireless Handheld dynamic supercardioid microphone	2	Nos.
4	Supply of DSP Mixer with 44 Inputs - AEC / Noise canceller / Feedback reduction w/Auto Mic Mixing and Matrix Mixer Input and 8 line outputs with 2 channel Telephone (PSTN) Interface	1	Set
5	Supply of PC Based professional audio Recording software	1	No.
6	Supply of line array speaker with adjustable coverage, minimum 16 nos. of drivers, minimum 300 watts rms power output and coverage upto 20 meters	2	Nos.
7	Supply of Stereo Class D Power Amplifier, dual channel, to drive the speakers at S.No.6	1	No.
8	Supply of 22 AWG Microphone 4 core Cable with 2 wires shielded, 2 control lines, overall shield.	1200	RM
9	Supply of Connectors	1	Set
10	Supply of DTH Cable TV Box	1	No.
11	Supply of Progressive Scan DVD Player with S-Video/Component Video/ HDMI output	1	No.
12	Supply of Fixed Ceiling mount for projector as per site requirement to take upto 15 Kg of load with 3 axis adjustment.	1	No.
13	Supply of Motorized projection screen with Native 16:10 aspect ratio. Picture size 65" x 104" with 123" diagonal	1	No.
14	Supply of Full HD LCD Monitor, diagonal size minimum 70 inch.	1	No.

15	Supply of VGA Matrix Switcher of configuration 12x8 to route high resolution computer-video and stereo audio signals on 15-pin HD connectors with a bandwidth of 350MHz or above with glitch free switching, audio input gain attenuation and RS232 control port.	1	No.
16	Supply of Hide Away surface enclosure type cable cubby with female 15-pin HD connector and 3.5 mm mini stereo audio jack, Composite Video Input, Two CAT 6 RJ-45 network/data/phone connectors; unswitched AC outlet, Black color, CE compliant	5	Nos.
17	Supply of 12' moulded VGA cable with audio	5	Nos.
18	Supply of RGBHV cable	350	RM
19	Supply of RG59 Video cable	150	RM
20	Supply of S-Video Video cable	25	RM
21	Supply of CAT6 Cable	400	RM
22	Supply of 42U Equipment Rack with all required accessories, caster wheel, Front perforated door, Cooling fan, Dual Power strips (16 socket on each side), earthing kit, KVM switch with 16 ports & cables alongwith rack mountable 17 inch LCD Monitor with integrated mouse & key board, 2 nos. of mounting kit, 4 nos. of rack tray, etc.	1	No.
23	Supply of MS conduit 25 mm dia, 2 mm thickness	5	RM
24	Supply of PVC conduit 32 mm dia, 2mm thickness	5	RM
25	Supply of Ethernet enabled Control processor, 6 x RS232, 8 x IR, 8 x Relay complete with 5.7" wireless touch panel , docking station cum charger and all necessary accessories to complete the control system alongwith compatible wifi access point, high voltage relay controller,etc	1	No.
26	Supply of Desktop PC with 15" TFT monitor Core 3 processor, DVD Writer, LAN Card, 4 x USB, 320 GB HDD, 3 GB RAM	1	No.

Scope of Work

1	Installation, testing & Commissioning of boundary layer condenser microphone with cardioid polar pattern LED indicator & on/off switch.	35	Nos.
2	Installation, testing & Commissioning of UHF Wireless Lapel/collar microphone	2	Nos.
3	Installation, testing & Commissioning of UHF Wireless Handheld dynamic supercardioid microphone	2	Nos.
4	Installation, testing & Commissioning of DSP Mixer with 44 Inputs - AEC / Noise canceller / Feedback reduction w/Auto Mic Mixing and Matrix Mixer Input and 8 line outputs with 2 channel Telephone (PSTN) Interface	1	Set
5	Installation, testing & Commissioning of PC Based professional audio Recording software	1	No.
6	Installation, testing & Commissioning of line array speaker with adjustable coverage, minimum 16 nos. of drivers, minimum 300 watts rms power output and coverage upto 20 meters	2	Nos.
7	Installation, testing & Commissioning of Stereo Class D Power Amplifier, dual channel, to drive the speakers at S.No.6	1	No.
8	Laying of 22 AWG Microphone 4 core Cable with 2 wires shielded, 2 control lines, overall shield, through existing conduits	1200	RM
9	Fixing of Connectors	1	Set
10	Installation, testing & Commissioning of DTH Cable TV Box	1	No.
11	Installation, testing & Commissioning of Progressive Scan DVD Player with S-Video/Component Video/ HDMI output	1	No.
12	Installation, testing & Commissioning of Fixed Ceiling mount for projector as per site requirement to take upto 15 Kg of load with 3 axis adjustment.	1	No.
13	Installation, testing & Commissioning of Motorized projection screen with Native 16:10 aspect ratio. Picture size 65" x 104" with 123" diagonal	1	No.
14	Installation, testing & Commissioning of Full HD LCD Monitor, diagonal size minimum 70 inch.	1	No.
15	Installation, testing & Commissioning of VGA Matrix Switcher of configuration 12x8 to route high resolution computer-video and stereo audio signals on 15-pin HD connectors with a bandwidth of 350MHz or above with glitch free switching, audio input gain attenuation and RS232 control port.	1	No.

16	Installation, testing & Commissioning of Hlde Away surface enclosure type cable cubby with female 15-pin HD connector and 3.5 mm mini stereo audio jack, Composite Video Input, Two CAT 6 RJ-45 network/data/phone connectors; unswitched AC outlet, Black color, CE compliant	5	Nos.
17	Laying of 12' moulded VGA cable with audio	5	Nos.
18	Laying of RGBHV cable	350	RM
19	Laying of RG59 Video cable	150	RM
20	Laying of S-Video Video cable	25	RM
21	Laying of CAT6 Cable	400	RM
22	Installation, testing & Commissioning of 42U Equipment Rack with all required accessories, caster wheel, Front perforated door, Cooling fan, Dual Power strips (16 socket on each side), earthing kit, KVM switch with 16 ports & cables alongwith rack mountable 17 inch LCD Monitor with integrated mouse & key board, 2 nos. of mounting kit, 4 nos. of rack tray, etc.	1	No.
23	Laying of MS conduit 25 mm dia, 2mm thickness	5	RM
24	Laying of PVC conduit 32 mm dia, 2mm thickness	5	RM
25	Installation, testing & Commissioning of Ethernet enabled Control processor, 6 x RS232, 8 x IR, 8 x Relay complete with 5.7" wireless touch panel , docking station cum charger and all necessary accessories to complete the control system alongwith compatible wifi access point, high voltage relay controller,etc	1	No.
26	Installation, testing & Commissioning of Desktop PC with 15" TFT monitor Core 3 processor, DVD Writer, LAN Card, 4 x USB, 320 GB HDD, 3 GB RAM	1	No.

Check-List for submission of Tender

The tenderers should write 'Yes' in the column if the corresponding document(s) submitted and 'No' if the corresponding document(s) is not submitted.

SN	Document Name	Submitted (Yes/ No)
1	1st sealed envelope containing the following -	
1.1	Copy of Audited Balance sheet & ITR for last three financial years ending on 31.03.2011. as per Clause 1 of Pre-qualification criteria	
1.2	Copy of relevant Work Order(s) along with Completion / Commissioning Certificate(s) as per Clause 2 of Pre-qualification criteria	
1.3	Copy of valid ISO:9001 Certificate	
1.4	Copy of pan card and Service Tax Registration Certificate	
1.5	Un-priced price bid i.e., price bid format (Annexure – I) with "Q" written in place of prices.	
1.6	Annexure-II duly filled along with Technical brochures of the model offered	
1.7	Compliance statement for Terms & Conditions as per Annexure-III	
1.8	Declaration as per Annexure V	
1.9	Acceptance / Deviation Certificate as per Annexure VI	
1.10	Covering letter giving index interlinking all the documents with all pages signed & stamped.	
2	2nd sealed envelope containing the following -	
2.1	Price Bid for the tender	
3	3rd sealed envelope containing the following -	
3.1	EMD (as per Para 1.14 of Terms and Conditions of Tender)	