

बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लि०

BIHAR STATE EDUCATIONAL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

(A Govt. of Bihar Undertaking)

ISO 9001: 14001: OHSAS 18001

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दर आमंत्रण हेतु अल्पकालीन कोटेशन आमंत्रण सूचना संख्या-26 वर्ष-2020-21

बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लि० पटना के निबंधित संवेदकों/ख्याति प्राप्त फर्मों/कंपनियों से दिनांक:- 17.02.2021 के अपराहन 03:00 बजे तक राज्य के विभिन्न जिलान्तर्गत विभिन्न निर्माण कार्यो में प्रयोग हेतु Stage & Sound Items से संबंधित कार्यो हेतु गैर अनुसूचित मदों की आपूर्ति एवं अधिष्ठापन के लिए निम्नांकित मदों हेतु मुहरबंद कोटेशन अधीक्षण अभियंता, बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लि०, पटना के कार्यालय में प्राप्त किया जाएगा एवं उसी दिन अपराहन 03:30 बजे कोटेशनदाताओं या उनके अधिकृत प्रतिनिधियों के समक्ष खोला जाएगा।

Sl. No.	Description of items	Qty	Unit	Rate In Digits	Rate In Words
1	Supply, Installation, Testing and Commissioning of 15" Two-Way Full-Range Main System/Floor Monitor with Wi-Fi, Built-in Wi-Fi for wireless control of your system from anywhere in the venue ,Shall have Connect mobile app for iOS and Android provides wireless control over volume levels, 8-band parametric EQ and up to 50ms of speaker delay to fine-tune your sound. Class-leading 1500-watt amplifier delivers ample power to fill your venue ,Including XLR, 1/4" and RCA inputs plus XLR loop-through , Intelligent variable-speed fan activates only when needed to reduce noise. Updated tuning delivers flat frequency response and smooth off-axis behavior ,Universal power supply for worldwide compatibility ,Maximum SPL Output: Normal: 137dB peak, Frequency Range (-10 dB): Main: 42.9 Hz - 19.5 kHz Monitor: 43.6 Hz - 19.3 kHz ,Frequency Response (±3 dB): Main: 58.1 Hz - 17.2 kHz Monitor: 60.7 Hz - 16.7 kHz ,Input Connectors: 2 x Balanced XLR / 1/4 inch input, 2 x unbalanced RCA input. Input Impedance: 20K Ohms (balanced), 10K Ohms (unbalanced), Design: Highly efficient Class-D amplifier. Power Rating: 1500W (750W x 2) all complete work as per direction of E/L.	1.00	Each		
2	Supply, Installation, Testing and Commissioning of 1x18" Powered Subwoofer, 1000 W highly efficient Class-D amplification ,Maximum SPL Output: 134dB. System Type: Self powered 18" Subwoofer, Frequency Range (-10dB): 31Hz - 150Hz , , Frequency Response (- 3dB): 42.5Hz - 150Hz, Bluetooth Control , 3 Parametric EQs + Hi & Lo Shelf , Gain and Delay, Save and Recall settings , Polarity Inversion all complete work as per direction of E/L.	1.00	Each		

3	Supply, Installation, Testing and Commissioning of Two-way 5" speaker with wide 100° x 100° coverage, Frequency Response (+/-3 dB): 85Hz - 17 kHz, Power Rating :200W, Maximum SPL:116dB, Sensitivity 90 dB, 1W/1m, Transformer Taps : 100V/70V, High Frequency Driver:75 In all complete work as per direction of E/I.	1.00	Each		
4	Supply, Installation, Testing and Commissioning of 2 channels X300W output Amplifier at 4 ohm, Frequency Response :20 Hz - 20 kHz (+0/-1 dB) , THD: <0.5% @20 Hz - 20 kHz ,Intermodulation Distortion =/ <0.35% ,Slew Rate >10V/us ,Voltage Gain: 29 ,Signal To Noise Ratio (A-weighted): >100 dB or better , Input Sensitivity: 0.775V , Input Impedance (nominal balanced, unbalanced) 20kΩ, 10kΩ all complete work as per direction of E/I.	1.00	Each		
5	Supply, Installation, Testing and Commissioning of 10" Two-Way Multipurpose Self-Powered Sound Reinforcement, Self powered 10", two way, Max SPL Output : 124 dB, Freq. Response (±3 dB) : 60 Hz - 20 kHz, Coverage Pattern :110° x 60°, Amplifier Design: Class D, Power Rating :1000W Peak, Line Input Gain: Infinity to 26.8 dBu, Mic Input Gain: Infinity to 29 dBu, all complete work as per direction of E/I.	1.00	Each		
6	Supply, Installation, Testing and Commissioning of Advanced Feedback Suppression, Stereo or Dual Independent Channel Processing, Max input line level = +20 dBu ,A/D Conversion =24-bit, THD+Noise 0.003% , Should have Wizard Setup Function, Should have Full LCD Display, 24 Programmable Filters per Channel, Live and Fixed Filter Modes, 24 LED per Channel Filter Metering, Input Impedance: Balanced 50kΩ, Unbalanced 25kΩ, Frequency Response: 20Hz - 20kHz, +/- 0.5dB, Crosstalk input to output: >80 dB all complete work as per direction of E/I.	1.00	Each		
7	Supply, Installation, Testing and Commissioning of Audio Mixing Console and 16 ch with USB Interface, 16 Channels, shall have Ghost Preamps: 12, Sapphyre EQ: 4-band (2 bands of swept mids), Limiters on inputs: 4, Single Engine effects, USB Interface 2-in/2-out, 4 Auxes, 4 mono/2 stereo subgroups, 100mm faders . all complete work as per direction of E/I.	1.00	Each		
8	Supply, Installation, Testing and Commissioning of Wired Dynamic Vocal Microphone, Super cardioid vocal microphone, Audio frequency bandwidth :70 - 20000 Hz, Sensitivity2.6 mV/Pa all complete work as per direction of E/I.	1.00	Each		

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9	Supply, Installation, Testing and Commissioning of Loudspeaker Management System with Build in full time RTA feature, Shall have 28-Band Graphic Equalizer, Shall have Feedback Elimination, Shall have 2.7 Seconds of Alignment and Zone Delay, Shall have RS-232 PC GUI control, Shall have Classic dbx Compression and Limiting, Shall have Graphic and Parametric EQ. Shall have Auto-EQ Function, Shall have Full Bandpass, Crossover, and Routing Configurations, Shall have Auto Gain Control, Shall have Pink Noise Generator and fulltime RTA, Shall have Setup Wizard with speaker and Power Amplifier Tunings, Shall have Security Lockout, Shall have Wall Panel Control Inputs, Input : (2) line inputs. (1) RTA Mic input, Output :6 total Male XLR, Input Impedance: >40k ohm, Max Input :+30dBu with input jumpers in +30 position, CMRR :> 45dB, Mic Preamp Phantom Power :+15VDC (RTA), Mic Preamp Equivalent Input Noise (EIN): < -110dB, 22Hz-22kHz, 150 ohm (RTA), THD+Noise: 0.003% typical at +4dBu, 1kHz, 0dB gain, Frequency Response: 20Hz - 20kHz, +/- 0.5dB, Interchannel Crosstalk :>110dB, 120dB typical, (input-to-output: >100dB). all complete work as per direction of E/I.	1.00	Each		
10	Supply, Installation, Testing and Commissioning of Wireless Handheld Microphone System, Wireless Microphone system with MHZ carrier frequency band, Up to 16 pre-programmed frequencies within the same frequency band, Audio bandwidth 35 - 20,000 Hz. THD at 1 kHz: <0.3% (Receiver) , Signal-to-noise: 120 dB(A) (Receiver), Wideband FM Modulation, Up to 48 Simultaneous channels , Upto 14 hours operation with one single AA battery or better, Pilot Tone, transmission to know the transmitter battery status, Receiver should have microphone level and line level output, Transmitter should have display to show the battery and LED to show the Muted /Unmuted status. Sensitivity 6.3 dB V / -100 dBm, Should have Microprocessor-controlled diversity, T.H.D.: 0.7 % (Transmitter), Infrared programmable, RF output power: 10 or 50 mW all complete work as per direction of E/I.	1.00	Each		
11	Supply, Installation, Testing and Commissioning of Wireless Lavalier Microphone System, Wireless Microphone system with MHZ carrier frequency band , Up to 16 pre-programmed frequencies within the same frequency band, Audio bandwidth 35 - 20,000 Hz. Up to 48 Simultaneous channels, Upto 14 hours operation with one single AA battery or better, Pilot Tone transmission to know the transmitter battery status, Receiver should have microphone level and line level output, Transmitter should have display to show the battery and LED to show the Muted /Unmuted status, Sensitivity 6.3 dB V / -100 dBm, Should have Microprocessor-controlled diversity, T.H.D. 0.7 % (Transmitter), Infrared programmable, RF output power: 10 or 50 mW. THD at 1 kHz: <0.3% (Receiver), Signal-to-noise: 120 dB(A) (Receiver), Wideband FM Modulation all complete work as per direction of E/I.	1.00	Each		
12	Supply, Installation, Testing and Commissioning of SITC of 24AWG shielded twisted pair copper cable all complete work as per direction of E/I.	1.00	m		

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13	Supply, Installation, Testing and Commissioning of 12AWG shielded twisted pair copper cable all complete work as per direction of E/I.	1.00	m		
14	Supply, Installation, Testing and Commissioning of Connectors all complete work as per direction of E/I.	1.00	LS		
15	Supply, Installation, Testing and Commissioning of SITC of 24U AV rack with power bar all complete work as per direction of E/I.	1.00	Each		
16	Providing Podium of 1'-6" X 1'-6" X 4'-0" made up of 19 mm water proof board and laminated with 1mm laminate with 2 inch side edge on top Surface. The top Surface is 2' x 1' and holes will be drilled for mic cables and lamp. The podium Shall have 3 pin power supply board for laptops or complete as per design all complete work as per direction of E/I.	1.00	Each.		
17	Supply, Installation, Testing and Commissioning of ArenaMatch array module model AM XXXX Make - Bose / Martin Audio do do all complete job as per direction of E/I.	1.00	Each		
18	Supply, Installation, Testing and Commissioning of Coupling plate Model-AMNCPLAT Make - Bose / Martin Audio do do all complete job as per direction of E/I.	1.00	Each		
19	Supply, Installation, Testing and Commissioning of Short array frame Model- AMAPSHRT Make - Bose / Martin Audio do do all complete job as per direction of E/I.	1.00	Each		
20	Supply, Installation, Testing and Commissioning of Pull back arrangement do do all complete job as per direction of E/I.	1.00	Each		
21	Supply, Installation, Testing and Commissioning of Subwoofer SMS 118 Make:- Bose do do all complete job as per direction of E/I.	1.00	Each		
22	Supply, Installation, Testing and Commissioning Front fills Make:- Bose do do all complete job as per direction of E/I.	1.00	Each		
23	Supply, Installation, Testing and Commissioning Delay fills AMU 105 Make:- Bose do do all complete job as per direction of E/I.	1.00	Each		
24	Supply, Installation, Testing and Commissioning Active Stage monitors K12 Make:- QSC do do all complete job as per direction of E/I.	1.00	Each		
25	Supply, Installation, Testing and Commissioning Audio DSP 8 x 8 Model-ESP 880A Make:- Bose do do all complete job as per direction of E/I.	1.00	Each		
26	Supply, Installation, Testing and Commissioning 8-channel Amplifier with DSP and optional Dante 5200 W @ 2 Ω ; 3000 W @ 4 Ω Model-X8 Make:- Poweroft do do all complete job as per direction of E/I.	1.00	Each		
27	Supply, Installation, Testing and Commissioning Power amplifier for Front fills P4150+ Make:- Bose do do all complete job as per direction of E/I.	1.00	Each		
28	Supply, Installation, Testing and Commissioning 32-Input 4-Bus Studio/Live Mixer Model-SX3242FX Make:- Behringer do do all complete job as per direction of E/I.	1.00	Each		
29	Supply, Installation, Testing and Commissioning Digital 24-Bit/96 kHz Loudspeaker Management System DCX2496 Make:- Behringer do do all complete job as per direction of E/I.	1.00	Each		
30	Supply, Installation, Testing and Commissioning 8-Channel Splitter/Mixer MX882 Make:- Behringer do do all complete job as per direction of E/I.	1.00	Each		

31	Supply,Installation,Testing and Commisioning Class-D Power Amplifier NX3000 Make:- Behringer do do all complete job as per direction of E/I.	1.00	Each		
32	Supply,Installation,Testing and Commisioning 6" Coaxial Surface-Mount Loudspeaker DVS6T Make:- Tannoy do do all complete job as per direction of E/I.	1.00	Each		
33	Supply,Installation,Testing and Commisioning 240 Watt Commercial Amplifier CA2401 Make:- Labgruppen do do all complete job as per direction of E/I.	1.00	Each		
34	Supply,Installation,Testing and Commisioning of Audiotechnica ATW-2120b Wireless Handheld Microphone System Make:- Audiotechnica do do all complete job as per direction of E/I.	1.00	Each		
35	Supply,Installation,Testing and Commisioning of Audiotechnica ATW-2110B + AT829CW Wireless lapel microphone system Make:- Audiotechnica do do all complete job as per direction of E/I.	1.00	Each		
36	Supply,Installation,Testing and Commisioning of Audiotechnica MB3K Handheld Hypercardioid Dynamic Vocal Microphone Make:- Audiotechnica do do all complete job as per direction of E/I.	1.00	Each		
37	Supply,Installation,Testing and Commisioning of Audiotechnica MB1K Cardioid Dynamic Handheld Microphone Make:- Audiotechnica do do all complete job as per direction of E/I.	1.00	Each		
38	Supply,Installation,Testing and Commisioning of 42 U Equipment Rack - Stage do do all complete job as per direction of E/I.	1.00	Each		
39	Supply,Installation,Testing and Commisioning of 42 U Equipment Rack - Stage do do all complete job as per direction of E/I.	1.00	Each		
40	Supply, Installation & Testing and Commisioning of SVC 5 kva Make- Servo Stabilizer do do all complete job as per direction of E/I.	1.00	Each		
41	Supply, Installation, Testing and Commisioning of Podium wired Microphone Model-AT8668S + Anti shock microphone stand Make- Audiotechnica do do all complete job as per direction of E/I.	1.00	Each		
42	Supplying,Installing,Testing and Commisioning of Microphone Stand (BIG) do do all complete job as per direction of E/I.	1.00	Each		
43	Supplying,Installing,Testing and Commisioning of Microphone Stand (SMALL) do do all complete job as per direction of E/I.	1.00	Each		
44	Supplying,Installing,Testing and Commisioning of Flat Coaxial Speaker Cable do do all complete job as per direction of E/I.	1.00	Each		
45	Supply ,Installation,Testing and Commisioning of speaker Cable Krystal or Klotz 100m do do all complete job as per direction of E/I.	1.00	Each		
46	Supply, Installation, Testing and Commisioning of Microphone Cable make:- Krystal or Klotz 300m do do all complete job as per direction of E/I.	1.00	Each		
47	Supply, Installation, Testing and Commisioning of Male Female Connectors Make:-Neutrik or Amphenol do do all complete job as per direction of E/I.	1.00	Each		

48	Supply, Installation, Testing and Commissioning of conference delegate unit with 480mm gooseneck microphone, microphone on/off button, rotary volume control for headphones and inbuilt speaker. Frequency response 125 Hz to 12.5 KHz, THD < 1% at maximum input level, auto microphone switch off function. The unit should be such that the loudspeaker is automatically muted when microphone is on and/or headphones are connected. It should have a Possible-To-Speak indicator and Microphone 'on' indicator Make:-Bose do do all complete job as per direction of E/I.	1.00	Each		
49	conference chairman unit with 480mm gooseneck microphone, microphone on/off button, priority control, rotary volume control for headphones and inbuilt speaker. Frequency response 125 Hz to 12.5 KHz, THD < 1% at maximum input level, auto microphone switch off function. The unit should be such that the loudspeaker is automatically muted when microphone is on and/or headphones are connected. It should have a Possible-To-Speak indicator and Microphone 'on' indicator Make:-Bose do do all complete job as per direction of E/I.	1.00	Each		
50	Supply, Installation, Testing and Commissioning of central control unit for powering and controlling of conference units. The controller can control upto 50 units and upto 150 units when connected with other controllers. The control unit can be used as a discussion control unit without an operator. Current consumption - maximum 0.9 A (100 VAC) to 0.3 A (240 VAC), DC supply to contribution units - 24 V \pm 1 V (current limited), Nominal input (85 dB SPL) - < 0.5 Max. input (110 dB SPL) - < 0.5 Make:-Bose do do all complete job as per direction of E/I.	1.00	Each		
51	Supply, Installation, Testing and Commissioning of 10m interconnecting cable terminated at both ends with circular 8 pole connector for connecting the first discussion unit to the controller Make:-Bose do do all complete job as per direction of E/I.	1.00	Each		
52	Supply, Installation, Testing and Commissioning of EV make UHF wireless 32 channel double antennae wireless mike Make:-Bose do do all complete job as per direction of E/I.	1.00	Each		
53	Supply, Installation, Testing and Commissioning of 30w premium sound wall mount speaker Make:-Bose do do all complete job as per direction of E/I.	1.00	Each		
54	Supply, Installation, Testing and Commissioning of 120w mixer amplifier with BT/USB Make:-Bose do do all complete job as per direction of E/I.	1.00	Each		
55	Supply, Installation, Testing and Commissioning of Eco Block Wall panelling The back of the panels are perforated with 10mm diameter circular holes with a nonwoven fabric covering of 0.2mm for providing Sound absorption via the acoustic impedance method. Panel is to be fixed on framework with screw fixed horizontal / vertical to wall at every 600mm c/c with centre & edge bracket in tongue & groove system on CC18 framework alongwith all accessories all complete work as per direction of E/I.	1.00	sqm		

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56	Supply, Installation, Testing and Commissioning of Providing and fixing of Wood fibre magnesite bonded acoustic Panel the panel having density of 400kg/cum, fixed over a framework of GI channels consisting of 50x50 mm GI Stud wall channels & floor channels centers filled with 50 mm thick all complete work as per direction of E/L.	1.00	sqm		
57	Supply, Installation, Testing and Commissioning of trap door for AC ducts laminated with 1 mm lamina for maintenance and service purpose with all fittings and labours all complete work as per direction of E/L.	1.00	Each		
58	Supply, Installation, Testing and Commissioning of wooden cabinet with 1 mm laminate with drawers on one side of suitable capacity, suitable for green room with molding & mirror including the cost of luminaries and fittings as required all complete work as per direction of E/L.	1.00	Each		
59	Supply, Installation, Testing and Commissioning of Main Curtain, made out of Raymond/ Reliance cloth with horizontal sliding arrangement complete with Gear box, Rolling Drum, fixing rails, brackets, sliding arrangement & motorized operation complete with nylon runners(ASL), master runners, pulleys, 3 mm steel wire rope, 1 Flange type motor (Godrej), 2 Nos. Air Breaker Contractor (Deihl), 2 Nos. 15 amps. Micro switches (Deihl) for auto stop 3 nos push buttons for Forward, reverse and stop positions. The curtain should be draped to half area when in closed Position. Minimum overlap at Centre should be 900mm and should be stitched in double gathering. Approx. Curtain Size 43x24x15ft. . complete with installation as per the site requirement. Make : Customized Make: for Fabric : Response / Reliance / Innovative all complete work as per direction of E/L.	1.00	Each		
60	Supply, Installation, Testing and Commissioning of Wings: Providing and fixing cloth wings made out of black glazed cotton fixed on 6 mm thick commercial fixed on one side of MS 50 mm x 25 mm x 16 G Pipe welded frame work. The pipe frame work made out 25 mm x 50 mm pipe C/o 900 x 900 fixed with overhead pivot track complete with duly painted on both frame work. Size 3 X 6ft. . complete with installation as Per Site Requirement. Make/Model: Customized, Make: for Fabric : Response / Reliance / Innovative all complete work as per direction of E/L.	1.00	Each		
61	Supply, Installation, Testing and Commissioning of Frill bar, fixed type, made out of 42mm dia GI pipe, supported from ceiling Structure, as required. Frill to be made out of Velvet Make/Model: Customized, Make: for Fabric : Response / Reliance / Innovative all complete work as per direction of E/L.	1.00	Each		
62	Supply, Installation, Testing and Commissioning of Subsequent Frill Bar, on stage made of 42 dia MS Pipe duly supported from Ceiling Grid, Frill be stitched in double gathering size . complete with installation as per the site requirement. Make/Model: Customized, Make: for MS Pipe Jindal / Tata all complete work as per direction of E/L.	1.00	Each		

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63	Supply, Installation, Testing and Commissioning of Steel structural Grid made out of GI 50 mm Pipe 1000 MM C/C in welded construction duly supported from ceiling structure / Grid Approx. complete with installation as per the Make/Model: Customized Make: Jindal / Tata all complete work as per direction of E/L.	1.00	Job		
64	Supply, Installation, Testing and Commissioning of PTFE (polytetrafluoroethylene) Coated Fiberglass, light transmissions range from 12% to 17% as per direction of E/L.	1.00	sqm		
65	Supply, Installation, Testing and Commissioning of pre-engineered steel works made up of Built-up "I" shaped primary structural framing members (columns and rafters) Cold-formed "Z" and "C" shaped secondary structural members (Roof Purlin, Eave Struts and Wall Girts) as per direction of E/L.	1.00	kg		

विशेष शर्तें—

- यह कोटेशन सिर्फ दर निर्धारण हेतु आमंत्रित किया गया है।
- कोटेशनदाताओं को अपना दर (सभी करों, GST एवं ढुलाई व्यय के साथ) अंक एवं अक्षरों में उद्धृत करना होगा।
- विशेष सूचना के लिए सूचनापट्ट या वेबसाइट www.prdbihar.gov.in एवं www.bseidc.in देखें अथवा अधोहस्ताक्षरी के कार्यालय में कार्यावधि में संपर्क किया जा सकता है।


 अधीक्षण अभियंता
 BSEIDC, पटना।
