

Specificații tehnice (F4.1)

Numărul procedurii de achiziție publice: 21010922

Denumirea licitației: Servicii sunet ,scena si lumin pentru evenimentul din data de 31 august 2019

Denumirea serviciilor		Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant (col. va fi completat de către ofertant)	Standard de referință
1	2	3	4	5
LOT 1. 799000000-3 - Servicii sunet ,scena si lumin pentru evenimentul din data de 31 august 2019				
1.1	Boxe	60 KW	60 000 W Peak power - 2500 W RMS 141 dB max SPL 30 Hz - 120 Hz frequency response 2 x 18" Woofer DSP controlled Input section with selectable presets Delay control Integrated mechanics for multiple configuration with HDL 20-A Baltic birch tour grade cabinet	
1.2	Mixer	1 buc.	9U fixed format MixRack 4 mic/line in, 32 XLR out* Can process 64 in digital mic split applications 64x32 RackExtra DSP with 8 stereo FX ACE™ Surface link plus Port B network option Built in 3 port Ethernet switch Network bridges to Surface via ACE™ MIDI and PL-Anet ports Built in headphone amp with level control External iPS10 redundant power supply option	
1.3	Monitor	8 buc	15" Passive 2-Way High-Power Multi- Functional 2-Way Cabinet, 500W 8 Ohms Rotatable CAD-optimized 90° x 45° Constant Directivity Horn Switchable to Biamped Mode 15" Neodymium DND 15400 Woofer, 1.4"	



			Neodymium ND6 Driver Voice Coil Tracking Protection	Neodymium ND6 Driver Voice Coil Tracking Protection
1.4	Microfon	4 buc	Transparent 24-bit digital audio captures every performance detail Over 120 dB of dynamic range eliminates transmitter gain adjustments Easy pairing of transmitters and receivers over IR scan and sync Automatic channel scan quickly and easily finds a clean frequency Networked channel scan configures open frequencies for connected receivers Remote monitoring and control from iOS devices via ShurePlus™ Channels Mobile App AES-256 encryption comes standard for secure wireless transmission Elegant and easy-to-use interface with highcontrast LCD menu AMX/Creston control system ready Professional-grade, all metal construction	Transparent 24-bit digital audio captures every performance detail Over 120 dB of dynamic range eliminates transmitter gain adjustments Easy pairing of transmitters and receivers over IR scan and sync Automatic channel scan quickly and easily finds a clean frequency Networked channel scan configures open frequencies for connected receivers Remote monitoring and control from iOS devices via ShurePlus™ Channels Mobile App AES-256 encryption comes standard for secure wireless transmission Elegant and easy-to-use interface with highcontrast LCD menu AMX/Creston control system ready Professional-grade, all metal construction
1.5	Microfon	25 buc	Type Dynamic (moving coil) Frequency Response 50 to 16,000 Hz Polar Pattern Supercardioid, rotationally symmetrical about microphone axis, uniform with frequency. Output Level Open Circuit Voltage: -51.5 dBV/Pa* (2.6 mV) *1 Pa = 94 dB SPL	Type Dynamic (moving coil) Frequency Response 50 to 16,000 Hz Polar Pattern Supercardioid, rotationally symmetrical about microphone axis, uniform with frequency. Output Level Open Circuit Voltage: -51.5 dBV/Pa* (2.6 mV) *1 Pa = 94 dB SPL
1.6	Microfon	46 buc	Type Dynamic Frequency Response 40 to 15,000 Hz Polar Pattern Unidirectional (cardioid), rotationally symmetrical about microphone axis, uniform with frequency.	Type Dynamic Frequency Response 40 to 15,000 Hz Polar Pattern Unidirectional (cardioid), rotationally symmetrical about microphone axis, uniform with frequency.
1.7	Microfon	6 buc	Type Condenser (electret bias) Frequency Response 20 to 20,000 Hz Polar Pattern Cardioid (unidirectional) responseuniform with frequency, symmetrical about axis	Type Condenser (electret bias) Frequency Response 20 to 20,000 Hz Polar Pattern Cardioid (unidirectional) responseuniform with frequency, symmetrical about axis
1.8	Microfon	6 buc	Dimensions Ø 33 x 59mm Connector XLR-3 Frequency response (Microphone) 40 - 18000 Hz	Dimensions Ø 33 x 59mm Connector XLR-3 Frequency response (Microphone) 40 - 18000 Hz



1.9	Microfon	18 buc	Weight Without cable: 60 g Sensitivity in free field, no load (1kHz) 1,8 mV/Pa Nominal impedance 350 Ω Min. terminating impedance 1000 Ω Weight w/o cable 60 Includes a matched pair of microphones Specially for grand piano Directional characteristic: super cardioid Frequency range: 20 - 20,000 Hz With 2 dB soft boost @ 10 - 12 kHz Max. SPL (sound pressure level): 142 dB Length of gooseneck: 140 mm (extension to 210 mm available: Article Nr 294624 - not included, must be ordered separately) Detachable cable Cable length: 1.8 m Cable diameter: 1.6 mm (optional cable (2.2 mm) available: Article Nr 289926 - not included, must be ordered separately) Improved microphone mount ensures a reduction in structure-borne sound B+K cConnector Incl. piano clip and DAD 6001 XLR phantom power adaptor	Weight Without cable: 60 g Sensitivity in free field, no load (1kHz) 1,8 mV/Pa Nominal impedance 350 Ω Min. terminating impedance 1000 Ω Weight w/o cable 60 Includes a matched pair of microphones Specially for grand piano Directional characteristic: super cardioid Frequency range: 20 - 20,000 Hz With 2 dB soft boost @ 10 - 12 kHz Max. SPL (sound pressure level): 142 dB Length of gooseneck: 140 mm (extension to 210 mm available: Article Nr 294624 - not included, must be ordered separately) Detachable cable Cable length: 1.8 m Cable diameter: 1.6 mm (optional cable (2.2 mm) available: Article Nr 289926 - not included, must be ordered separately) Improved microphone mount ensures a reduction in structure-borne sound B+K cConnector Incl. piano clip and DAD 6001 XLR phantom power adaptor
1.10	Microfon	6 buc	Type Dynamic (moving coil) Frequency Response 20 to 10,000 Hz Polar Pattern Supercardioid, rotationally symmetrical about microphone axis Output Level Open Circuit Voltage: -64 dBV/Pa* (0.6 mV), *1 Pa = 94 dB SPL	Type Dynamic (moving coil) Frequency Response 20 to 10,000 Hz Polar Pattern Supercardioid, rotationally symmetrical about microphone axis Output Level Open Circuit Voltage: -64 dBV/Pa* (0.6 mV), *1 Pa = 94 dB SPL
1.11	Direct Box	6 buc	Input Impedance 1 MOhm (pad at 0dB), 47 kOhm (pad at -20dB or -40dB) Max Input +9dBu (pad at 0dB), +29dBu (pad at -20dB), +49dBu (pad at -40dB) Input Connectors Two Parallel 1/4" jack connectors (Tip Hot +ve, Sleeve ground), and a parallel XLR connector (unbalanced) (Pin 2 Hot +ve, Pin 1 & 3 ground) Output Transformer Balanced Max Output +8dBu into 600 Ohms or greater	Input Impedance 1 MOhm (pad at 0dB), 47 kOhm (pad at -20dB or -40dB) Max Input +9dBu (pad at 0dB), +29dBu (pad at -20dB), +49dBu (pad at -40dB) Input Connectors Two Parallel 1/4" jack connectors (Tip Hot +ve, Sleeve ground), and a parallel XLR connector (unbalanced) (Pin 2 Hot +ve, Pin 1 & 3 ground) Output Transformer Balanced Max Output +8dBu into 600 Ohms or greater



1.12	Direct Box	5 buc	Output Connectors XLR3-32 or equivalent THD < 0.005% at 1kHz, 0dbu output Noise < -105db unweighted, 22hz-22kHz, rms* Frequency Response 30Hz to 20kHz, +0dB/-1dB Main/Standby battery 9 volt PP3 type, preferably alkaline Power Consumption on phantom: less than 7.5mA, on battery: less than 2mA. Phantom Power +20 volts DC to +48 volts DC Unit Weight 650 gms, excluding batteries Dimensions 59 mm x 124 mm x 143 mm (2.3" x 4.9" x 5.6") Replaceable sleeve Jack in/ out XLR in/ out Phantom power required -30 dB Pad Ground. lift	Output Connectors XLR3-32 or equivalent THD < 0.005% at 1kHz, 0dbu output Noise < -105db unweighted, 22hz-22kHz, rms* Frequency Response 30Hz to 20kHz, +0dB/-1dB Main/Standby battery 9 volt PP3 type, preferably alkaline Power Consumption on phantom: less than 7.5mA, on battery: less than 2mA. Phantom Power +20 volts DC to +48 volts DC Unit Weight 650 gms, excluding batteries Dimensions 59 mm x 124 mm x 143 mm (2.3" x 4.9" x 5.6") Replaceable sleeve Jack in/ out XLR in/ out Phantom power required -30 dB Pad Ground. lift
1.13	Direct Box	1 buc	Product type: Guitar Amplifiers Technology: solid state Inputs: 2 Input connectors: 6.3 mm Jack Input impedance: 1 M Ohm(s) Outputs: 4 Output connectors: 2 x 6.3 mm TS, 3.5 mm jack, XLR Output impedance: TRS 10000, XLR 510 Ohm(s) Channels: 1 Indicators: on/off, peak, signal Controls: Bass, Drive, ground lift, highs, input pad, Mid, mid frequency, mode, mute, Pre/Post, volume FX loop: yes Operating voltage: 9 – 12 V DC, 9 V block Cabinet material: die-cast aluminium Dimensions: 100 x 100 x 55 mm Weight: 0.36 kg	Product type: Guitar Amplifiers Technology: solid state Inputs: 2 Input connectors: 6.3 mm Jack Input impedance: 1 M Ohm(s) Outputs: 4 Output connectors: 2 x 6.3 mm TS, 3.5 mm jack, XLR Output impedance: TRS 10000, XLR 510 Ohm(s) Channels: 1 Indicators: on/off, peak, signal Controls: Bass, Drive, ground lift, highs, input pad, Mid, mid frequency, mode, mute, Pre/Post, volume FX loop: yes Operating voltage: 9 – 12 V DC, 9 V block Cabinet material: die-cast aluminium Dimensions: 100 x 100 x 55 mm Weight: 0.36 kg
1.14	Mecanism de	2 buc	Mecanism de suspendare HD – 44 HD – 34	Mecanism de suspendare HD – 44 HD – 34



	suspendare				
1.15	Scenografia	5 buc	Transportarea, montarea si demontarea scenografiei si a rechizitelor scenice	Transportarea, montarea si demontarea scenografiei si a rechizitelor scenice	
1.16	Operator Sunet	1 pers.	Operator Sunet	Operator Sunet	
1.17	Lucrator scena	6 pers.	Lucrator scena	Lucrator scena	
1.18	Acoperis SCENA	140 m2	L10m x L14m , h7,5m	L10m x L14m , h7,5m	
1.19	SCENA	140 m2	Podium sub acoperis(10x14h1,5m)	Podium sub acoperis(10x14h1,5m)	
1.20	Stage descks	70 m2	Platform -L 2 x L1, h1,5	Platform -L 2 x L1, h1,5	
1.21	Cabinet bass Ampeg 410	2 buc	LF Drivers: 4 x 10" Voice Coil: 2" Magnet Weight (each): 30 oz HF Drivers: Horn/Driver Voice Coil: 1" Magnet Weight (each): 8 oz RMS Power Handling: 500-Watts Frequency Response (-3dB): 48Hz-18kHz Usable Low Frequency (-10dB): 28Hz Nominal Impedance: 4-Ohms Sensitivity: 98dB Maximum SPL: 125dB Dimensions (W x H x D inches): 24 x 30 x 19	LF Drivers: 4 x 10" Voice Coil: 2" Magnet Weight (each): 30 oz HF Drivers: Horn/Driver Voice Coil: 1" Magnet Weight (each): 8 oz RMS Power Handling: 500-Watts Frequency Response (-3dB): 48Hz-18kHz Usable Low Frequency (-10dB): 28Hz Nominal Impedance: 4-Ohms Sensitivity: 98dB Maximum SPL: 125dB Dimensions (W x H x D inches): 24 x 30 x 19	
1.22	Amplificator	1 buc	Power (Watts/Ohms)1000 Preamp Type Solid State Speaker Configuration. Head Only Control Panel Type Front Control Panel Face Color Black	Power (Watts/Ohms)1000 Preamp Type Solid State Speaker Configuration. Head Only Control Panel Type Front Control Panel Face Color Black	
1.23	Combiu chitară	1 buc	2 Channels Power: 85 W Components: 2x 12" Jensen C12K 8 ohm speakers 4 Inputs: 2 Per channel Preamp tubes: 4x 12AX7 and 2x 12AT7 Power tubes: 4x 6L6 Open housing design Normal channel controls (mono): Volume - Treble - Middle - Bass	2 Channels Power: 85 W Components: 2x 12" Jensen C12K 8 ohm speakers 4 Inputs: 2 Per channel Preamp tubes: 4x 12AX7 and 2x 12AT7 Power tubes: 4x 6L6 Open housing design Normal channel controls (mono): Volume - Treble - Middle - Bass	



			Vibrato channel controls: Volume – Treble – Middle – Bass – Reverb Vibrato controls: Speed – Intensity Bright switch per channel Effects: Spring Reverb – Tremolo Connector for an external speaker Tilt-back legs Dimensions (W x D x H): 673 x 267 x 505 mm Weight: 29 kg Colour: Black Incl. 2-button footswitch (reverb / vibrato), and a vinyl protective cover	Vibrato channel controls: Volume – Treble – Middle – Bass – Reverb Vibrato controls: Speed – Intensity Bright switch per channel Effects: Spring Reverb – Tremolo Connector for an external speaker Tilt-back legs Dimensions (W x D x H): 673 x 267 x 505 mm Weight: 29 kg Colour: Black Incl. 2-button footswitch (reverb / vibrato), and a vinyl protective cover
1.24	Set tobe	1 buc	Set tobe	Set tobe
1.25	Stativ chitara	2 buc	Stativ chitara	Stativ chitara
1.26	Cabinet chitara	1 buc	2x stereo 8ohms. Greutate: 36,4 kg, 4 / 16ohms mono, 300W, versiune dreaptă, inclusă vorbire	2x stereo 8ohms. Greutate: 36,4 kg, 4 / 16ohms mono, 300W, versiune dreaptă, inclusă vorbire
1.27	Amplificator chitară	1 buc	Type: Tube Number of Channels: 2 Total Power: 100W	Type: Tube Number of Channels: 2 Total Power: 100W
1.28	Ecran LED	60 m2	8pitch, 60 metri patrați, fiecare cabinet a ecranului are dimensiunea de 0,5x1mx120buc. Este nevoie de conectare la sursa de energie electrică. (40kw)	8pitch, 60 metri patrați, fiecare cabinet a ecranului are dimensiunea de 0,5x1mx120buc. Este nevoie de conectare la sursa de energie electrică. (40kw)
1.29	Cable crossing	10 m	Most cable cross – 1 m	Most cable cross – 1 m
1.30	Balast	6 buc	Butoaie cu apă 1 t (fixarea scenei)	Butoaie cu apă 1 t (fixarea scenei)
1.31	Mixer Video	1 buc	Signal System Color Sampling Ratio 4:2:2 @ 10-bit Color Space Y:Cb:Cr YUV HD 1920 x 1080i 60/59.94/50 SD NTSC, PAL Supported Graphic File Types Static Size: 256 x 128 TGA: 32-bit with clear Alpha channel background	Signal System Color Sampling Ratio 4:2:2 @ 10-bit Color Space Y:Cb:Cr YUV HD 1920 x 1080i 60/59.94/50 SD NTSC, PAL Supported Graphic File Types Static Size: 256 x 128 TGA: 32-bit with clear Alpha channel background





			Average service life: 50,000 hours low power consumption Colours: RGBW (R:24, G:28, B:28, W:28) Color Temperature: Adjustable from 3200K~7000K Dimmer: 0~100% linearly adjustable (8bit) Strobe: 1~18 F.P.S. Plus effect Beam angle: 25°/35°/45°/60° optional MovementPan: 540°/630° Tilt:270° Controls: 11CH/15CH (standard)/17CH DMX-512 channels Lamp Shell Material: Plastic cover+ Aluminium Plate Display: Blue background LCD display Brightness and contrast adjustable. Applications: Discotheque, concerts, Parties, night bars, pubs, wedding. Package Size: 460x335x385mm Weight: 8.5kg	Average service life: 50,000 hours low power consumption Colours: RGBW (R:24, G:28, B:28, W:28) Color Temperature: Adjustable from 3200K~7000K Dimmer: 0~100% linearly adjustable (8bit) Strobe: 1~18 F.P.S. Plus effect Beam angle: 25°/35°/45°/60° optional MovementPan: 540°/630° Tilt:270° Controls: 11CH/15CH (standard)/17CH DMX-512 channels Lamp Shell Material: Plastic cover+ Aluminium Plate Display: Blue background LCD display Brightness and contrast adjustable. Applications: Discotheque, concerts, Parties, night bars, pubs, wedding. Package Size: 460x335x385mm Weight: 8.5kg
1.34	Lumini	4 buc	Color mixing: CMY, independently variable 0 - 100% Color wheel: 4 filters (incl. CTC) + open, full and split positions, continuous rotation Mechanical dimmer: 0 - 100% Shutter: Strobe effect up to 8 Hz, random strobe Beamshaper 1: 0° - 90° Beamshaper 2: 0° - 180° Diffuser: Variable frost filter Pan: 440° Tilt: 306° Control and Programming DMX channels: 10/12/14 Setting and addressing: Control panel with LED display 16-bit control: Pan & tilt Movement control options: Tracking and vector Protocol: USITT DMX512/1990 Receiver: Opto-isolated RS-485 Firmware update: Serial upload via DMX link Lamp	Color mixing: CMY, independently variable 0 - 100% Color wheel: 4 filters (incl. CTC) + open, full and split positions, continuous rotation Mechanical dimmer: 0 - 100% Shutter: Strobe effect up to 8 Hz, random strobe Beamshaper 1: 0° - 90° Beamshaper 2: 0° - 180° Diffuser: Variable frost filter Pan: 440° Tilt: 306° Control and Programming DMX channels: 10/12/14 Setting and addressing: Control panel with LED display 16-bit control: Pan & tilt Movement control options: Tracking and vector Protocol: USITT DMX512/1990 Receiver: Opto-isolated RS-485 Firmware update: Serial upload via DMX link Lamp

			Type: 575 W discharge Fitted as standard: Philips MSR 575/2 Color temperature: 7200 K CRI (Color rendering index): 80 Average lifetime: 1000 hours Hot restrike: No Socket: GX 9.5 Ballast: Magnetic (MAC 600), electronic (MAC 600 E) Approved alternative lamp(s): Philips MSD 575, Osram HSR 575/72 Optics Beam angle: Narrow lens 18°, standard lens 25° (65° with floodlight diffuser), super-wide lens 103°, 1/10 peak angles Construction Color(s): Black Housing: Steel and aluminum with molded plastic covers Finish: Electrostatic powder-coated Reflector: Glass, cold light Protection rating: IP20 Installation Mounting points: 4 pairs of 1/4-turn locks, 45° orientation possible Orientation: Any Connections AC power input: 3 m integral cable without power plug DMX data in/out: 3-pin locking XLR Includes at one's command a real RGBW colour mix, providing vivid colors as well as the option of pastels Power: Lux: 3790 @ 2m: 3790 Max. distance: 30 m Light source LED System: 18 x 4-in-1 LEDs Drive current: 450 mA Refresh rate: 7.8 kHz Colour range: RGBW Powered by an electric power supply		
1.35	Lumini	18 buc			



1.36	Projectors	10 buc	Power supply : 100-240V AC Power consumption: 120 W Control Control protocol: DMX512 DMX channels: 4,5,8 Optical system Dimmer: 0-100% Strobe: 0-20 Hz Coverage pattern: 40 ° Colour Temp: 3200K / 5500K Bulb Type: CP 60/CP 61 /CP 62 PAR 64 sealed beam light Suggested Stands: Turtle Stand or hung from pole Dimensions: 204mm x 204mm x 653mm Weight: 1.84kg	Power supply : 100-240V AC Power consumption: 120 W Control Control protocol: DMX512 DMX channels: 4,5,8 Optical system Dimmer: 0-100% Strobe: 0-20 Hz Coverage pattern: 40 ° Colour Temp: 3200K / 5500K Bulb Type: CP 60/CP 61 /CP 62 PAR 64 sealed beam light Suggested Stands: Turtle Stand or hung from pole Dimensions: 204mm x 204mm x 653mm Weight: 1.84kg
1.37	Followspot	1 buc	Power supply: 230 V AC, 50 Hz Power consumption: 1840,00 W DMX channels: 4 Length: 1122 cm Width: 44 cm Height: 41 cm Weight: 64,90 kg DMX channels: 4 DMX connection: 5-pin XLR Beam angle: 12° Flash-rate: 1-7 Hz	Power supply: 230 V AC, 50 Hz Power consumption: 1840,00 W DMX channels: 4 Length: 1122 cm Width: 44 cm Height: 41 cm Weight: 64,90 kg DMX channels: 4 DMX connection: 5-pin XLR Beam angle: 12° Flash-rate: 1-7 Hz
1.38	Lighting effects	4 buc	Eurolite – Blanders,(4x350W)	Eurolite – Blanders,(4x350W)
1.39	Lighting effects	1 buc	Eurolite Strobe (1500W)	Eurolite Strobe (1500W)
1.40	Lighting effects	2 buc	Smoke machine Eurolite Nb 150	Smoke machine Eurolite Nb 150
1.41	Lighting effects	1 buc	Hazer Martin Magnum-2500	Hazer Martin Magnum-2500

Denumirea intreprinderii: SC Media Show Grup SRL

Numele, prenumele directorului: Irina Ivancova-Botnarenco

Semnatura: _____


