

APPENDIX 2D – TECHNICAL SPECIFICATIONS – LOT 4

Note: In all Lot specifications below any reference to “Professional” denotes equipment that is designed for sustained operational use in commercial, educational, industrial, studio, broadcast, or specialist environments, offering a high level of performance, reliability, durability, interoperability, and compliance with recognised industry standards.

Industry standard means equipment, technologies, interfaces, formats, or operating practices that are widely recognised, commonly adopted, and generally accepted within the relevant professional, educational, commercial, or technical sector, ensuring compatibility, interoperability, reliability, and long-term support.

Lot 4 - Music Instruments – Electric

4A – Supply of Music Instruments to Digital ICT enabled Production Equipment Room in Tramore Road Campus

Lot ID Code	Item Description	Quantity
Lot4A-1	88-Key Stage Keyboard Package – Professional-grade 88-key stage and performance keyboard package designed for music performance, composition, recording, music technology, and music education applications within a Digital ICT Enabled Production Equipment Room. The package shall provide a weighted keyboard action, high-quality piano and instrument sounds, real-time performance controls, and seamless integration with studio and production systems. The solution shall be supplied complete with a keyboard stand, adjustable bench, and professional monitoring headphones. Features • Professional-grade 88-key digital stage keyboard. • Fully weighted hammer-action keyboard suitable for piano performance and music education. • High-quality piano, electric piano, organ, synthesiser, and performance sounds. • Real-time control of sound parameters, effects, layering, and performance functions. • Suitable for live performance, recording, composition, music production, and teaching applications. • Multi-zone and split keyboard functionality. • Integrated effects processing and sound customisation capabilities. • Professional audio, MIDI, and USB connectivity for integration with computers, audio interfaces, and studio equipment. • Compatible with industry-standard music production and recording software. • Robust construction suitable for continuous educational and professional use. • Supplied with a professional keyboard stand. • Supplied with an adjustable performance bench. • Supplied with professional closed-back monitoring headphones suitable for practice, monitoring, and recording applications. • Supplied complete with all required power supplies, cables, accessories, and components necessary for installation and operation.	1
Lot4A-2	Keyboard Tier Expansion Stand – Professional-grade keyboard tier expansion stand designed to provide a second playing level above a compatible keyboard stand, enabling the secure positioning of	1

	an additional keyboard, synthesiser, MIDI controller, or performance instrument. The stand shall support music performance, recording, music technology, composition, and educational applications within a Digital ICT Enabled Production Equipment Room. Features • Professional-grade add-on tier designed for use with a compatible keyboard stand system. • Provides a second keyboard level for multi-keyboard performance setups. • Suitable for keyboards, synthesisers, MIDI controllers, and performance instruments. • Adjustable height and angle for ergonomic instrument positioning. • Secure mounting and support for professional keyboard equipment. • Robust metal construction suitable for continuous educational and professional use. • Compact design to maximise workspace efficiency. • Designed for studio, performance, rehearsal, and music technology environments. • Compatible with associated keyboard stand systems and support accessories. • Supplied complete with all required mounting hardware and installation components.	
Lot4A-3	Keyboard Music Stand – Professional-grade music stand designed for secure attachment to the above digital performance keyboard, providing convenient and stable placement of printed sheet music, songbooks, notation, educational materials, and reference documents during performance, rehearsal, recording, and teaching activities. Features • Professional-grade music stand designed for integration with a compatible digital keyboard. • Secure attachment system providing stable support during use. • Suitable for printed sheet music, scores, teaching materials, and performance notes. • Designed to maintain clear visibility of music and reference materials. • Lightweight yet durable construction. • Suitable for performance, recording, rehearsal, composition, and educational applications. • Complements studio, classroom, and live performance environments. • Simple installation and removal for flexible operation. • Compatible with associated keyboard accessories and workstation setups. • Supplied complete with all required fittings and attachment components.	1
Lot4A-4	Triple Pedal Unit – Professional-grade triple-pedal unit designed for use with a digital performance keyboard, providing sustain, sostenuto, and soft pedal functionality comparable to that of an acoustic grand piano. The pedal system shall support expressive performance techniques and enhance realism for performance, recording, composition, and music education applications. Features • Professional-grade triple-pedal system for digital piano and keyboard applications. • Provides sustain, sostenuto, and soft pedal functionality. • Supports advanced piano performance and expressive playing techniques. • Designed to replicate the pedal operation of an acoustic grand piano. • Robust construction suitable for continuous educational and professional use. • Stable floor-mounted design for secure operation during performance. • Suitable for performance, rehearsal, recording, composition, and teaching applications. • Seamless integration with compatible digital keyboard systems. • Durable pedal mechanism designed for long-term reliability. • Supplied complete with all required connection cables and installation components.	1
Lot4A-5	Sustain Pedal – Professional-grade sustain pedal designed for use with digital pianos, stage keyboards, MIDI controllers, and performance workstations. The pedal shall provide responsive sustain control to support expressive playing techniques in performance, rehearsal, recording, composition, and music education environments. Features	1

	• Professional-grade sustain pedal for digital piano and keyboard applications. • Provides realistic sustain functionality comparable to an acoustic piano. • Responsive operation for expressive musical performance. • Suitable for performance, recording, rehearsal, composition, and teaching applications. • Durable pedal mechanism designed for regular professional and educational use. • Non-slip base for secure positioning during operation. • Compatible with digital pianos, stage keyboards, and MIDI controller systems. • Robust construction suitable for continuous use in educational and production environments. • Compact design for easy deployment and storage. • Supplied complete with all required connection cables and accessories.	
Lot4A-6	Keyboard Transport Case – Professional-grade heavy-duty transport and protective case designed for the safe storage, transportation, and protection of a full-size digital keyboard or stage piano. The case shall provide robust protection against impact, dust, and handling damage while enabling easy movement between classrooms, performance spaces, rehearsal areas, and recording environments. Features • Professional-grade protective transport case for digital keyboards and stage pianos. • Suitable for 88-key keyboard instruments and accessories. • Heavy-duty construction designed to protect equipment during storage and transport. • Integrated wheels for ease of movement and handling. • Reinforced handles for safe lifting and transportation. • Protective internal padding to minimise movement and impact damage. • Secure closure and latching system. • Suitable for educational, rehearsal, recording, and live performance environments. • Durable construction designed for frequent transport and long-term use. • Compatible with professional stage pianos, digital keyboards, and music production workstations. • Supplied complete with all fittings and protective components required for normal operation.	1
Lot4A-7	Acoustic-Electric Guitar – Professional-grade steel-string acoustic-electric guitar designed for performance, recording, songwriting, music education, and music production applications. The instrument shall provide high-quality acoustic tone, comfortable playability, and integrated pickup technology for amplification and direct connection to recording, sound reinforcement, and production systems. Features • Professional-grade steel-string acoustic-electric guitar. • Full-size acoustic guitar suitable for performance and educational applications. • Solid wood soundboard construction for enhanced tonal quality and projection. • Integrated pickup and preamplifier system for amplified performance and recording. • Suitable for solo performance, ensemble playing, songwriting, rehearsal, and studio recording. • Balanced tonal response suitable for a wide range of musical styles. • Integrated tone and volume controls for amplified operation. • Comfortable neck profile and playing action suitable for students and experienced musicians. • Professional audio output for connection to amplifiers, mixers, audio interfaces, and PA systems. • Durable construction suitable for continuous educational and professional use. • Suitable for music technology, recording, live performance, and teaching environments. • Supplied complete with all accessories required for normal operation and use.	3
Lot4A-8	Black Electric Guitar – Professional-grade solid-body electric guitar in a <u>black finish</u>, designed for performance, recording, music production, rehearsal, and music education applications. The	1

	instrument shall provide versatile tonal capabilities, comfortable playability, reliable tuning stability, and compatibility with amplifiers, audio interfaces, and recording systems for use within a Digital ICT Enabled Production Equipment Room. Features • Professional-grade solid-body electric guitar with black finish. • Suitable for performance, recording, rehearsal, composition, and music education applications. • Multiple pickup configuration providing a wide range of tonal options. • Versatile sound suitable for a variety of musical genres and playing styles. • Comfortable neck profile and ergonomic body design. • Stable tuning system suitable for regular use and performance. • Integrated tone and volume controls for sound shaping. • Suitable for connection to guitar amplifiers, effects processors, audio interfaces, and recording systems. • Durable construction suitable for continuous educational and professional use. • High-quality hardware and electronic components. • Suitable for individual practice, ensemble performance, studio recording, and music technology applications. • Supplied complete with all accessories required for normal operation and use.	
Lot4A-9	<u>Alder-Body Electric Guitar</u> – Professional-grade solid-body electric guitar featuring an alder body construction, designed for performance, recording, music production, rehearsal, and music education applications. The instrument shall provide balanced tonal characteristics, comfortable playability, reliable tuning stability, and compatibility with amplifiers, audio interfaces, and recording systems for use within a Digital ICT Enabled Production Equipment Room. Features • Professional-grade solid-body electric guitar with alder body construction. • Suitable for performance, recording, rehearsal, composition, and music education applications. • Multiple pickup configuration providing a wide range of tonal options. • Balanced tonal response suitable for a variety of musical genres and playing styles. • Comfortable neck profile and ergonomic body design. • Stable tuning system suitable for regular use and performance. • Integrated tone and volume controls for sound shaping. • Suitable for connection to guitar amplifiers, effects processors, audio interfaces, and recording systems. • Durable construction suitable for continuous educational and professional use. • High-quality hardware and electronic components. • Suitable for individual practice, ensemble performance, studio recording, and music technology applications. • Supplied complete with all accessories required for normal operation and use.	1
Lot4A-10	<u>Light Blue Electric Guitar</u> – Professional-grade solid-body electric guitar featuring a light blue finish, designed for performance, recording, music production, rehearsal, and music education applications. The instrument shall provide versatile tonal capabilities, comfortable playability, reliable tuning stability, and compatibility with amplifiers, audio interfaces, and recording systems for use within a Digital ICT Enabled Production Equipment Room. Features • Professional-grade solid-body electric guitar with light blue finish. • Suitable for performance, recording, rehearsal, composition, and music education applications. • Multiple pickup configuration providing a wide range of tonal options. • Balanced tonal response suitable for a variety of musical genres and playing styles.	1

	• Comfortable neck profile and ergonomic body design. • Stable tuning system suitable for regular use and performance. • Integrated tone and volume controls for sound shaping. • Suitable for connection to guitar amplifiers, effects processors, audio interfaces, and recording systems. • Durable construction suitable for continuous educational and professional use. • High-quality hardware and electronic components. • Suitable for individual practice, ensemble performance, studio recording, and music technology applications. • Supplied complete with all accessories required for normal operation and use.	
Lot4A-11	Electric Guitar Hard Case – Professional-grade hard-shell guitar case designed to provide secure storage, transportation, and protection for electric guitars within educational, rehearsal, recording, and performance environments. The case shall protect the instrument from impact, dust, moisture, and handling damage while facilitating safe transport and long-term storage. Features • Professional-grade hard-shell guitar case. • Suitable for full-size solid-body electric guitars. • Durable exterior construction designed to protect against impact and handling damage. • Protective interior lining and padding to support and secure the instrument. • Secure locking and latching system. • Reinforced carrying handle for safe transportation. • Internal storage compartment for accessories, cables, picks, straps, and maintenance items. • Suitable for educational, rehearsal, recording, and live performance applications. • Robust construction suitable for continuous professional and educational use. • Designed to protect the instrument during storage, transport, and deployment between locations. • Supplied complete with all fittings and protective components required for normal operation.	3
Lot4A-12	Black Electric Bass Guitar – Professional-grade solid-body electric bass guitar in a <u>black finish</u>, designed for performance, recording, music production, rehearsal, and music education applications. The instrument shall provide reliable low-frequency performance, comfortable playability, versatile tonal options, and compatibility with amplifiers, audio interfaces, and recording systems for use within a Digital ICT Enabled Production Equipment Room. Features • Professional-grade solid-body electric bass guitar with <u>black finish</u>. • Suitable for performance, recording, rehearsal, composition, and music education applications. • Four-string electric bass configuration. • Versatile tonal characteristics suitable for a wide range of musical styles. • Comfortable neck profile and ergonomic body design. • Stable tuning system suitable for regular use and performance. • Integrated tone and volume controls for sound shaping. • Suitable for connection to bass amplifiers, audio interfaces, effects processors, and recording systems. • Durable construction suitable for continuous educational and professional use. • High-quality hardware and electronic components. • Suitable for individual practice, ensemble performance, studio recording, and music technology applications. • Supplied complete with all accessories required for normal operation and use.	1
Lot4A-13	White Electric Bass Guitar – Professional-grade solid-body electric bass guitar in a <u>white finish</u>, designed for performance, recording, music production, rehearsal, and music education applications. The instrument shall provide reliable low-frequency performance, comfortable	1

	playability, versatile tonal options, and compatibility with amplifiers, audio interfaces, and recording systems for use within a Digital ICT Enabled Production Equipment Room. Features • Professional-grade solid-body electric bass guitar with <u>white finish</u>. • Suitable for performance, recording, rehearsal, composition, and music education applications. • Four-string electric bass configuration. • Versatile tonal characteristics suitable for a wide range of musical styles. • Comfortable neck profile and ergonomic body design. • Stable tuning system suitable for regular use and performance. • Integrated tone and volume controls for sound shaping. • Suitable for connection to bass amplifiers, audio interfaces, effects processors, and recording systems. • Durable construction suitable for continuous educational and professional use. • High-quality hardware and electronic components. • Suitable for individual practice, ensemble performance, studio recording, and music technology applications. • Supplied complete with all accessories required for normal operation and use.	
Lot4A-14	<u>Bass Guitar Hard Case</u> – Professional-grade hard-shell bass guitar case designed to provide secure storage, transportation, and protection for electric bass guitars within educational, rehearsal, recording, and performance environments. The case shall protect the instrument from impact, dust, moisture, and handling damage while facilitating safe transport and long-term storage. Features • Professional-grade hard-shell case for electric bass guitars. • Suitable for full-size four-string electric bass instruments. • Durable exterior construction designed to protect against impact and handling damage. • Protective interior lining and padding to support and secure the instrument. • Secure locking and latching system. • Reinforced carrying handle for safe transportation. • Internal storage compartment for accessories, cables, straps, picks, and maintenance items. • Suitable for educational, rehearsal, recording, and live performance applications. • Robust construction suitable for continuous professional and educational use. • Designed to protect the instrument during storage, transport, and deployment between locations. • Supplied complete with all fittings and protective components required for normal operation.	2
Lot4A-15	<u>Large Drum Rug</u> – Professional-grade large-format drum rug designed to provide a stable and secure performance surface for drum kits and percussion equipment within rehearsal, recording, performance, and music education environments. The rug shall accommodate a full drum kit, including pedals, stands, hardware, and seating, while helping to prevent equipment movement and protect floor surfaces. Features • Professional-grade large-size drum rug for drum kit and percussion applications. • Suitable for full acoustic or electronic drum kit setups, including stands, pedals, and drummer's stool. • Provides a stable non-slip surface for drum kits and associated hardware. • Helps prevent movement of equipment during performance and recording. • Durable construction suitable for continuous educational and professional use. • Protects underlying flooring from wear and equipment damage. • Suitable for recording studios, rehearsal rooms, classrooms, and performance spaces. • Reinforced edges designed for long-term reliability. • Easy to roll, transport, and store when not in use.	3

	• Suitable for individual practice, ensemble performance, recording, and teaching applications. • Supplied complete and ready for use.	
Lot4A-16	Drum Hardware Bag – Professional-grade heavy-duty drum hardware bag designed for the storage, protection, and transportation of drum stands, cymbal stands, pedals, mounting hardware, and associated percussion equipment. The bag shall provide a durable solution for safely transporting and organising drum hardware within educational, rehearsal, recording, and performance environments. Features • Professional-grade drum hardware transport and storage bag. • Suitable for drum stands, cymbal stands, pedals, mounting hardware, and accessories. • Heavy-duty construction designed to support substantial equipment loads. • Reinforced carrying handles for safe transportation. • Durable outer material resistant to wear and regular handling. • Protective design to safeguard hardware during storage and transport. • Suitable for educational, rehearsal, recording, and live performance applications. • Robust stitching and reinforced stress points for long-term reliability. • Large opening for convenient loading and unloading of equipment. • Suitable for use with a wide range of drum and percussion hardware. • Supplied complete and ready for use.	1
Lot4A-17	Cymbal Transport Bag – Professional-grade cymbal storage and transport bag designed for the protection, organisation, and transportation of multiple cymbals within educational, rehearsal, recording, and performance environments. The bag shall provide secure storage, protection against scratches and impact damage, and convenient handling for routine transport and equipment management. Features • Professional-grade cymbal storage and transport bag. • Suitable for carrying multiple cymbals of varying sizes. • Internal dividers or protective separation compartments to minimise contact between cymbals. • Durable construction designed for regular professional and educational use. • Reinforced carrying handles for safe transportation. • Protective design to reduce the risk of scratches, dents, and handling damage. • Suitable for rehearsal, recording, performance, and music education applications. • Secure closure system for safe storage and transport. • Lightweight design for convenient movement between locations. • Suitable for use with a wide range of cymbal types and configurations. • Supplied complete and ready for use.	1

4B – Supply of Music Instruments (Electric) based on the Department of Education and Youth Music/Drama Equipment list

Lot ID Code	Item Description	Quantity	DEY Code
Lot4B-1	'Budget' digital piano with matching stool. [Kawai CN33, Yamaha CLP 320/430, or equal]. To include headphones and power supply. 2 year warranty. On request, for schools with curricular needs, only	1	MSD/5
Lot4B-2	Touch sensitive electronic keyboard, 61 keys, organ style, polyphony 30+, voices 350+, styles 100+, songs 100+, with power supply and stand. Where required by school only 2 Year warranty	1	MSD/6
Lot4B-3	Mini keyboards suitable for student use, min. 54 key, to be supplied with microphone and headphones, have ability to record compositions, to be powered by batteries and mains power supply Min. 3 year warranty	25	MSD/10