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Department of Education

Graphics Design Lab

Equipment List, Specifications and
Tendering Guidance

Tendering Guidance

Important Notes to School's /ETB's seeking the items from this list:

1. Utilise existing procurement arrangements with suppliers/service providers where available.
2. Search www.ogp.gov.ie to check if there is a suitable, fit for purpose framework/contract in place for all or some of the items required.
3. Choose to seek a request for quotation (RFQ), below the value of 25k, or a request for tender (RFT), above the value of 25k, based on best value for money using both qualitative and cost criteria. All procurement over the value of €25,000 must be advertised and published on www.etenders.gov.ie.
4. Seek quotations based on the items that can be competitively quoted from multiple suppliers based on the estimated level of spend following the procurement guidelines. For more advice on the procurement guidelines contact the Schools Procurement Unit (www.spu.ie) or Education Training Board with whom you are associated (list of ETBs on www.etbi.ie).
5. Suppliers may not be able to provide the full range of goods listed. In this case they should be requested to quote only for items they can supply.
6. The specifications outlined in this document have been reviewed to ensure products of the highest quality are supplied. Substandard equipment should not be proposed or accepted under any circumstances and suppliers should be asked to replace these to the same standard set out or higher. Schools are advised to check this as part of the assessment before finalising the overall scores. In addition to pricing each item, suppliers must also specify the warranty being offered for each item.
7. Item code G/30 and G/32 are **only** to be supplied for new Graphics Design Labs, not for pre-existing rooms that want an upgrade of equipment.
8. The loose furniture such as the collaboration tables for groupwork and low benches for the presentation zone are available on the loose furniture list. These pieces of furniture are only for new Graphics Design labs.
9. All quotations must be excluding VAT with the VAT highlighted separately.
10. Contact the School Procurement Unit or your ETB for further specific guidance.

Graphics Design Lab

Code Quantity	Description and Specification	Cost (€) & Warranty Offered
G/1 1	Set of (magnetic) drawing equipment, for (magnetic) chalkboard, to include (i) compass with steel point (500 mm), (ii) 60°/30° set square (500 mm), (iii) 45° set square (500 mm), (iv) protractor (425 mm) and (v) heavy duty rule with bevelled edges (1000 mm).	
	Manufacturer: _____ Catalogue No.: _____	
G/2(A) 24 right handed, 6 left handed	T-squares: A2 size, tape blade, best quality hardwood, with maple or acrylic edges to blade; blade screwed and dowelled to stock or equal.	
	Manufacturer: _____ Catalogue No.: _____	
OR		
G/2(B) 24 right handed, 6 left handed	Stainless steel T-square with fixed light cast aluminium head, brushed blade with low reflectance.	
	Manufacturer: _____ Catalogue No.: _____	
G/3 30	Portable Desktop Drawing Board, A2 size, solid core/particle board/multi-ply, white high pressure laminate above and below, pvc edges and square corners, with rubber feet. Simple robust mechanism to allow use at 0° and 20°, with rubber tractor grip to facilitate overhanging of table edge.	
	Manufacturer: _____ Catalogue No.: _____	
G/4 30	Graphics/DCG wooden box set, to come with 4" acrylic protractor, 60°/30° & 45° Set Squares (transparent heavy duty, non-brittle plastic, with bevelled edge and open centre. Sizes: 200 mm, 2 mm thick), quickset adjustable compass, H and 2H pencils, Vinyl eraser, Metal sharpener and Clips.	
	Manufacturer: _____ Catalogue No.: _____	
G/5 30	Adjustable Set Square, shatter resistant acrylic body with magnifying cursor for precise readings, 200 mm.	
	Manufacturer: _____ Catalogue No.: _____	
G/6 30	Scaled rule, acrylic, 300 mm, suitable for graphics/drawing.	
	Manufacturer: _____ Catalogue No.: _____	
G/7 1	Graphics teaching models, c.300 mm size, to include standard geometric solids, and those depicting their interpenetration with conic sections and development of surfaces. c.12 models.	
	Manufacturer: _____ Catalogue No.: _____	
G/8 1	Circle template, acrylic type, c.2 mm to 50 mm diameter circles.	
	Manufacturer: _____ Catalogue No.: _____	
G/9 1	Flexi-curve, suitable for technical graphics work.	
	Manufacturer: _____ Catalogue No.: _____	
G/10 1	French curves, set of three, moulded plastic with ellipse form.	
	Manufacturer: _____ Catalogue No.: _____	
G/11 1	Erasing shield, stainless steel type.	
	Manufacturer: _____ Catalogue No.: _____	
G/12 1	Air brush kit, compressed-air canister type(no compressor needed).	
	Manufacturer: _____ Catalogue No.: _____	
G/13 25	Cutting knife, scalpel type with disposable blades.	
	Manufacturer: _____ Catalogue No.: _____	

G/14 25	Cutting mat, A3 size, plastic, self-repairing.		
	Manufacturer:	Catalogue No.:	
G/15 30	Show-me boards, A3 gridded, with drywipe pens and eraser.		
	Manufacturer:	Catalogue No.:	
G/16 12	Scissors 250mm stainless steel.		
	Manufacturer:	Catalogue No.:	
G/17 30	Scissors 140mm, 25 no. right handed and 5 no. left handed.		
	Manufacturer:	Catalogue No.:	
G/18 2	Keva Brain Builders for converting 2d diagrams to 3D structures, to include 20 planks, 30 double-sided cards in a zippered carrying case.		
	Manufacturer:	Catalogue No.:	
G/19 6 of each	Ready mixed water-soluble paint 500ml (red, green, brown, black, blue, yellow, white).		
	Manufacturer:	Catalogue No.:	
G/20 10	White foam board 3mm thick, 70x100cm.		
	Manufacturer:	Catalogue No.:	
G/21 10 of each	A3 Black and White 160g card (pack of 20).		
	Manufacturer:	Catalogue No.:	
G/22 6	Construction straws set with wheels and joiners included, each set minimum of 500 pieces.		
	Manufacturer:	Catalogue No.:	
G/23 12	Glue guns and 100 glue sticks.		
	Manufacturer:	Catalogue No.:	
G/24 6	Air drying modelling clay 12.5kg.		
	Manufacturer:	Catalogue No.:	
G/25 6	Wooden modelling tool set, assorted sizes and shapes (minimum 10 tools per set).		
	Manufacturer:	Catalogue No.:	
G/26 1	Supercut heavy duty paper trimmers for paper, card and laminating, up to A2 size.		
	Manufacturer:	Catalogue No.:	
G/27 1	Comb Binding machine, electric, up to A3 size, minimum 200 page binding capacity. Two year guarantee.		
	Manufacturer:	Catalogue No.:	
G/28 1	A3 colour laser printer: minimum 600dpi, include wireless direct option and suitable to produce quality drawings. One year on site warranty to include parts and labour.		
	Manufacturer:	Catalogue No.:	
G/29 1 of each colour	PLA for 3d printer (item G/33), colours: white, black, red, blue, yellow and green.		
	Manufacturer:	Catalogue No.:	
G/30 1	Mobile touch screen TV, minimum 65" anti-glare screen, HDMI and USB connection, suitable for education purposes, to come with mobile fixed height trolley. Two Year warranty. Note: This item is only to be supplied for new Graphics rooms.		
	Manufacturer:	Catalogue No.:	

G/31 1	Visualiser: Min. 13 MP Lens, Up to 4K at 30 fps Video, Built-In Mic, coverage A3 + (533x330mm), USB Interface & Power Connection to a PC. Five year warranty.	
	Manufacturer:	Catalogue No.:
G/32 1	Laser cutter/engraver: CO2, workable on a variety of materials, minimum engraving area 300mm x 300mm, accommodate minimum 100mm thickness, minimum 30 Watt laser tube, open source software and driver, Raster & Vector operating modes, single phase, must come with a Vector grid, Air compressor and Fume extraction system, and Technical support must be available. 2 Year warranty on machine and Co2 Tube. Note: This item is only to be supplied for <u>new</u> Graphics rooms and only one of these items to be supplied per Graphics department.	
	Manufacturer:	Catalogue No.:
G/33 1	3D Printer: Min volume area 100mm x 100mm x 100mm, Suitable for education purposes (not DIY/home spec.) and capable of high quality printing, user-friendly software based on open-source platform (Compatible with Parametric Modelling software used in Design and Communication Graphics (DCG)), Support materials such as PLA, Fully enclosed print chamber, and Technical support must be available. Two year on-site warranty to include parts and labour.	
	Manufacturer:	Catalogue No.:
G/34 1	Laptop suitable to run laser cutter and 3D printer, to be supplied with a case and wireless optical mouse. T4/ DCG laptop specification. Purchasing details: https://www.pdsttechnologyineducation.ie/en/Technology/Purchasing-Frameworks/ Two Year warranty.	
	Manufacturer:	Catalogue No.:
G/35 6	Magicube game of cubes. Colourful cubes that can be attached from any side and allows you to build, 3D structures and new shapes.	
	Manufacturer:	Catalogue No.:
G/36 6	MindWare's Pattern Play, 40 brightly-coloured wooden blocks in a variety of shapes and 40 different pattern cards to solve.	
	Manufacturer:	Catalogue No.:
G/37 6	Spirograph Design Tin Set, to contain 7 Spirograph Precision Wheels, 1 Spirograph Precision ring, 1 Spirograph Precision Rack, 2 Fine-Line Design Pens.	
	Manufacturer:	Catalogue No.:
G/38 8	Katamino puzzle game, to contain 18 wooden playing pieces, 1 wooden board, 2 wooden sliders and 40 cards.	
	Manufacturer:	Catalogue No.:
G/39 6	Tangram Game (Shapes Up) includes 4 game boards, 32 large triangles, 32 small triangles, 16 squares, 1 shape tray, 1 die, and a timer.	
	Manufacturer:	Catalogue No.:
G/40 2	Geomag Education Set, 224 Shapes & Spaces Panels, Set to contains 90 rods, 80 spheres, 2 sets of 40 double language pupil/teacher cards and 74 panels.	
	Manufacturer:	Catalogue No.:

G/41 6	'Shapes Don't Bug Me' Geometry Activity Set, to includes twenty double-sided activity cards (40 activities), 136 pieces in 14 different shapes (2 different squares, rectangle, 5 different triangles, hexagon, trapezoid, rhombus, circle, half-circle, quarter-circle), and Activity Guide.	
	Manufacturer:	Catalogue No.:

Total (€)	
Add for VAT (€)	
Total amount for GDL list (€)	

Standards, Specifications and Conditions

**All Equipment shall be Durable and Safe for School Use.
Equipment wholly or partly funded from public funds is subject to Inspection by
Officers from the Department of Education.**

It is essential that tenders for equipment for School Use shall:

- i) Comply fully with the specifications and be durable and safe for School Use.
- ii) Comply fully with the standards as detailed and shall comply fully with European (EN) standards, both established and developing.
- iii) Comply with European electrical standards and CE marking as appropriate.
- iv) Be accompanied by documentation of sufficient detail for full evaluation.
- v) Include the completed and signed certificate of compliance.

Award of a contract is conditional on the production of a current tax clearance certificate.

Failure to comply with the above may result in the tender being deemed null and void.

Certificate of Compliance with Standards, Specifications & Conditions:

I/We certify that the equipment tendered complies in all respects with the Standards, Specifications and other requirements/conditions specified in this tender document.

I/We hold a current tax clearance certificate.

Company: _____

Signed: _____ Date: _____

Position: _____