



DEPARTMENT OF EDUCATION AND SCIENCE

**Planning and Building Unit
Tullamore, Co. Offaly.**

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**Room:
Construction Studies /
Architectural Technology**

**Architectural Technology -- AT
Equipment List & Specifications**

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 & Science.**

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.

Section 1: Geometric and Drawing Tools		
Code Quantity	Descriptions & Specifications	Cost €:
AT/101 24	300 mm Brass-tipped Boxwood Rule	
	Manufacturer: _____ Catalogue No: _____	
AT/102 2	1000 mm Steel Rule	
	Manufacturer: _____ Catalogue No: _____	
AT/103 12	450 mm Bevelled Metal Straightedges	
	Manufacturer: _____ Catalogue No: _____	
AT/104 2	50 m Surveyor's Fibre Measuring Tape	
	Manufacturer: _____ Catalogue No: _____	
AT/105 2	5 m Pocket Measuring Tape with 19 mm blade	
	Manufacturer: _____ Catalogue No: _____	
AT/106 24	150 mm Rosewood-Stocked Try Square	
	Manufacturer: _____ Catalogue No: _____	
AT/107 2	300 mm Rosewood-Stocked Try Square	
	Manufacturer: _____ Catalogue No: _____	
AT/108 2	Set of Brass Trammel Points	
	Manufacturer: _____ Catalogue No: _____	
AT/109 6	300 mm long Contour Gauge 50 mm max. profile approx.	
	Manufacturer: _____ Catalogue No: _____	
AT/110 6	150 mm Aluminium Mitre Template	
	Manufacturer: _____ Catalogue No: _____	
AT/111 2	300 mm 'U' Section Beech Mitre Box	
	Manufacturer: _____ Catalogue No: _____	
AT/112 24	250 mm Beech Marking Gauge	
	Manufacturer: _____ Catalogue No: _____	
AT/113 12	200 mm Rosewood Mortice Gauge	
	Manufacturer: _____ Catalogue No: _____	
AT/114 6	250 mm Beech Cutting Gauge	
	Manufacturer: _____ Catalogue No: _____	
AT/115 12	225 mm Rosewood Sliding Bevel	
	Manufacturer: _____ Catalogue No: _____	
AT/116 1	Plastic/Beech Blackboard 30°/60° Set Square	
	Manufacturer: _____ Catalogue No: _____	
AT/117 1	Plastic/Beech Blackboard 45° Set Square	
	Manufacturer: _____ Catalogue No: _____	
AT/118 1	Plastic/Beech Blackboard Protractor	
	Manufacturer: _____ Catalogue No: _____	
AT/119 1	Plastic/Beech Blackboard Compass	
	Manufacturer: _____ Catalogue No: _____	
AT/120 24	A2 12 mm Plywood Drawing Boards	
	Manufacturer: _____ Catalogue No: _____	
AT/121 24	A2 Hardwood 'Tee' Squares	
	Manufacturer: _____ Catalogue No: _____	

Section 2: Handsaws and Chisels		
Code Quantity	Descriptions & Specifications	Cost €:
AT/201 24	Beech Bench Hooks Manufacturer: _____ Catalogue No: _____	
AT/202 24	300 mm Beech-Handled Tenon Saw Manufacturer: _____ Catalogue No: _____	
AT/203 12	200 mm Beech-Handled Dovetail Saw Manufacturer: _____ Catalogue No: _____	
AT/204 4	450 mm Panel Saw Manufacturer: _____ Catalogue No: _____	
AT/205 4	550 mm Cross-Cut Handsaw Manufacturer: _____ Catalogue No: _____	
AT/206 1	600 mm Ripsaw Manufacturer: _____ Catalogue No: _____	
AT/207 4	300 mm Beech Bow Saw Manufacturer: _____ Catalogue No: _____	
AT/208 12	Coping Saw with 150 mm blade Manufacturer: _____ Catalogue No: _____	
AT/209 4	250 mm Pad Saw Manufacturer: _____ Catalogue No: _____	
AT/210 1	350 mm Compass Saw Manufacturer: _____ Catalogue No: _____	
At/211 1	Plier Type Saw Set Manufacturer: _____ Catalogue No: _____	
AT/212 6	200 mm Fixed-Blade Razor Saw Manufacturer: _____ Catalogue No: _____	
AT/213 24	3 mm bevel-edged chisel Manufacturer: _____ Catalogue No: _____	
AT/214 24	6 mm bevel-edged chisel Manufacturer: _____ Catalogue No: _____	
AT/215 24	10 mm bevel-edged chisel Manufacturer: _____ Catalogue No: _____	
AT/216 24	12 mm bevel-edged chisel Manufacturer: _____ Catalogue No: _____	
AT/217 24	18 mm bevel-edged chisel Manufacturer: _____ Catalogue No: _____	
AT/218 24	25 mm bevel-edged chisel Manufacturer: _____ Catalogue No: _____	
AT/219 6	3 mm firmer chisel Manufacturer: _____ Catalogue No: _____	
AT/220 6	6 mm firmer chisel Manufacturer: _____ Catalogue No: _____	
AT/221 6	10 mm firmer chisel Manufacturer: _____ Catalogue No: _____	
AT/222 6	12 mm firmer chisel Manufacturer: _____ Catalogue No: _____	
AT/223 6	18 mm firmer chisel Manufacturer: _____ Catalogue No: _____	

AT/224 6	25 mm firmer chisel		
	Manufacturer:	Catalogue No:	
AT/225 24	6 mm mortice chisel		
	Manufacturer:	Catalogue No:	
AT/226 24	10 mm mortice chisel		
	Manufacturer:	Catalogue No:	
AT/227 24	12 mm mortice chisel		
	Manufacturer:	Catalogue No:	
AT/228 24	13 mm mortice chisel		
	Manufacturer:	Catalogue No:	

Section 3: Turning and Carving Tools		
Code Quantity	Descriptions & Specifications	Cost €:
AT/301 1	Lathe Long Hole Boring Kit Manufacturer: _____ Catalogue No: _____	
AT/302 2	6 mm Turning Gouge Manufacturer: _____ Catalogue No: _____	
AT/303 2	12 mm Turning Chisel Manufacturer: _____ Catalogue No: _____	
AT/304 2	18 mm Turning Chisel Manufacturer: _____ Catalogue No: _____	
AT/305 2	12 mm Skew End Turning Chisel Manufacturer: _____ Catalogue No: _____	
AT/306 2	18 mm Skew End Turning Chisel Manufacturer: _____ Catalogue No: _____	
AT/307 2	25 mm Skew End Turning Chisel Manufacturer: _____ Catalogue No: _____	
AT/308 2	3 mm Parting Chisels Manufacturer: _____ Catalogue No: _____	
AT/309 2	6 mm Parting Chisels Manufacturer: _____ Catalogue No: _____	
AT/310 4	200 mm Calipers (2/outside and 2/inside) Manufacturer: _____ Catalogue No: _____	
AT/311 6	12 mm Carving Gouge - straight, full size, no.7 sweep Manufacturer: _____ Catalogue No: _____	
AT/312 6	12 mm Carving Gouge - short curved, no.27 sweep Manufacturer: _____ Catalogue No: _____	
AT/313 1	Set of 8 double ended 200 mm Carving Riffers Manufacturer: _____ Catalogue No: _____	
AT/314 6	Set of 12 full size (blade 125 mm approx.) Carving Chisels comprising - 1/14 mm Sweep no.1 straight chisel 1/6 mm Sweep no.2 skew chisel 1/14 mm Sweep no.5 straight gouge 1/16 mm Sweep no.5 straight gouge 1/3 mm Sweep no.6 straight gouge 1/10 mm Sweep no.6 straight gouge 1/6 mm Sweep no.7 straight gouge 1/14 mm Sweep no.8 straight gouge 1/2 mm Sweep no.11 straight gouge 1/6 mm Sweep no.39 'vee' tool 1/6 mm Sweep no.14 long curved gouge 1/3 mm Sweep no.21 short curved gouge, or similar. European Sweep Numbers Manufacturer: _____ Catalogue No: _____	

<p>AT/315 6</p>	<p>Set of 6 full size (blade 125 mm approx.) Carving Chisels comprising - 1/ 14 mm Sweep no.2 skew chisel 1/ 16 mm Sweep no.6 straight gouge 1/ 6 mm Sweep no.8 straight gouge 1/ 14 mm Sweep no.11 straight gouge 1/ 14 mm Sweep no.39 'vee' tool 1/ 10 mm Sweep no.16 long curved gouge, or similar. European Sweep Numbers</p>	
<p>Manufacturer: _____ Catalogue No: _____</p>		
<p>AT/316 6</p>	<p>Set of 6 small size (blade 100 mm approx.) Carving Chisels comprising: 1/ 8 mm Sweep no.1 straight chisel 1/ Sweep 10 mm no.2 skew chisel 1/ 6 mm Sweep no.8 straight gouge 1/ 8 mm Sweep no.8 straight gouge 1/ 2 mm Sweep no.11 straight gouge 1/6 mm Sweep no.39 'vee' tool, or similar. European Sweep Numbers</p>	
<p>Manufacturer: _____ Catalogue No: _____</p>		
<p>AT/317 6</p>	<p>Set of 6 Pear Handled Carving Chisels comprising - 1/6 mm Sweep no.6 straight gouge 1/10 mm Sweep no.6 straight gouge 1/8 mm Sweep no.8 straight gouge 1/6 mm Sweep no.2 skew chisel 1/4 mm veiner grooving gouge 1/4 mm 'vee' tool, or similar. European Sweep Numbers</p>	
<p>Manufacturer: _____ Catalogue No: _____</p>		
<p>AT/318 6</p>	<p>Set of 6 Assorted Pattern Chip Carving Knives</p>	
<p>Manufacturer: _____ Catalogue No: _____</p>		
<p>AT/319 6</p>	<p>Set of 6 Assorted Pattern Carver's Grounding Punches</p>	
<p>Manufacturer: _____ Catalogue No: _____</p>		
<p>AT/320 1</p>	<p>Veneering Hammer</p>	
<p>Manufacturer: _____ Catalogue No: _____</p>		

Section 4. Hand Planes, Knives, Oilstones		
Code Quantity	Descriptions & Specifications	Cost €:
AT/401 2	Plough Plane & Set of Cutters Manufacturer: Catalogue No:	
AT/402 2	170 mm Block Plane with 40 mm cutter Manufacturer: Catalogue No:	
AT/403 2	Shoulder Plane Manufacturer: Catalogue No:	
AT/404 2	Rebate Plane Manufacturer: Catalogue No:	
AT/405 12	380 mm Steel Jack Planes with 60 mm cutters Manufacturer: Catalogue No:	
AT/406 12	260 mm Steel Smoothing Plane with 50 mm cutter Manufacturer: Catalogue No:	
AT/407 6	Adjustable Metal Convex (Flat) Spokeshave Manufacturer: Catalogue No:	
AT/408 6	Adjustable Metal Concave (Curved) Spokeshave Manufacturer: Catalogue No:	
AT/409 3	Cabinet Scrapers Manufacturer: Catalogue No:	
AT/410 3	Hand Scrapers Manufacturer: Catalogue No:	
AT/411 1	Burnishing Tool Manufacturer: Catalogue No:	
AT/412 6	250 mm Standard Flat Cut Rasp Manufacturer: Catalogue No:	
AT/413 6	250 mm Fine Flat Cut Rasp Manufacturer: Catalogue No:	
AT/414 6	250 mm Standard Half Round Rasp Manufacturer: Catalogue No:	
AT/415 6	250 mm Fine Half Round Rasp Manufacturer: Catalogue No:	
AT/416 6	250 mm Standard Round Rasp Manufacturer: Catalogue No:	
AT/417 6	250 mm Fine Round Rasp Manufacturer: Catalogue No:	
AT/418 24	Marking Knives Manufacturer: Catalogue No:	
AT/419 24	Die-Cast Folding Pocket Knife Manufacturer: Catalogue No:	
AT/420 24	Scalpels with Replaceable Blades Manufacturer: Catalogue No:	
At/421 4	Retractable Blade Knives Manufacturer: Catalogue No:	
AT/422 4	Fixed Blade Knives Manufacturer: Catalogue No:	
AT/423 6	Tweezers Manufacturer: Catalogue No:	

T/424 24	Cutter Mats		
	Manufacturer:	Catalogue No:	
AT/425 1	Natural Sharpening Stone (Washita or Arkansas)		
	Manufacturer:	Catalogue No:	
AT/426 1	Artificial Sharpening Stone		
	Manufacturer:	Catalogue No:	
AT/427 1	Single-Sided Boxed Whetstone		
	Manufacturer:	Catalogue No:	
AT/428 2	Round-edged Slipstone (Natural or Artificial)		
	Manufacturer:	Catalogue No:	
At/429 2	Gouge Slipstone (Natural or Artificial)		
	Manufacturer:	Catalogue No:	
AT/430 24	Cork Sanding Blocks		
	Manufacturer:	Catalogue No:	

Section 5: Percussion Tools, Screwdrivers, Pincers & Pliers		
Code Quantity	Descriptions & Specifications	Cost €:
AT/501 24	100 mm Beech Carpenter's / Joiner's Mallet Manufacturer: Catalogue No:	
AT/502 6	Beech Carvers Mallet - head 100dia. length 250 mm approx. Manufacturer: Catalogue No:	
AT/503 12	c.0.45 kg (16 oz) Claw Hammer Manufacturer: Catalogue No:	
AT/504 12	0.57 kg 20 oz Claw Hammer Manufacturer: Catalogue No:	
AT/505 12	12 oz Warrington (Cross-pein) Hammer Manufacturer: Catalogue No:	
AT/506 4	4 oz Pin Hammer Manufacturer: Catalogue No:	
AT/507 2	100 mm Square Head Nail Punch - 1.5 mm point Manufacturer: Catalogue No:	
AT/508 2	100 mm Pin Punch - 1 mm point Manufacturer: Catalogue No:	
AT/509 2	1.35 kg Club (Lump) Hammer Manufacturer: Catalogue No:	
AT/510 1	Heavy Duty Hammer Tacker (Stapler) Manufacturer: Catalogue No:	
AT/511 2	200 mm Cabinet Pattern Screwdriver with 8 mm tip Manufacturer: Catalogue No:	
AT/512 2	150 mm Cabinet Pattern Screwdriver with 8 mm tip Manufacturer: Catalogue No:	
AT/513 12	100 mm Plastic-handled Screwdriver with 6 mm flared tip Manufacturer: Catalogue No:	
AT/514 12	100 mm Pozidriv Pz1 Plastic-handled Screwdriver Manufacturer: Catalogue No:	
AT/515 12	100 mm Pozidriv Pz2 Plastic-handled Screwdriver Manufacturer: Catalogue No:	
AT/516 2	6 Piece Sets Crosshead/Slotted Screwdrivers comprising - 1/plastic- handled 150 mm flared-tip 1/ plastic-handled 100 mm parallel-tip 1/ plastic-handled 75 mm parallel-tip 1/ plastic-handled Pz0 1/ plastic-handled Pz1 1/ plastic-handled Pz2 Manufacturer: Catalogue No:	
AT/517 12	Plastic-handled Bradawl Manufacturer: Catalogue No:	
AT/518 1	Beech / Boxwood-handled Gimlet Manufacturer: Catalogue No:	
AT/519 4	200 mm Lancashire Pattern Pincers Manufacturer: Catalogue No:	
AT/520 1	300 mm Straight Tinsnips Manufacturer: Catalogue No:	

AT/521 4	Sleeved, Engineering Pliers comprising 1/200 mm Standard Combination 1/200 mm Long-Nosed 1/200 mm Diagonal Cutting 1/150 mm Standard Combination	
	Manufacturer:	Catalogue No:
AT/522 2	250 mm Straight Jaw-Locking Vice Grips	
	Manufacturer:	Catalogue No:
AT/523 2	Adjustable, Pipe-gripping Pliers with cushioned jaws suitable for un/screwing plastic pipe joints up to 65 mm diameter	
	Manufacturer:	Catalogue No:

Section 6: Woodboring Bits, Drills & Braces		
Code Quantity	Descriptions & Specifications	Cost €:
AT/601 2	Set Brace Auger Bits comprising 1/6 mm 1/8 mm 1/10 mm 1/13 mm 1/16 mm 1/19 mm 1/22 mm Manufacturer: _____ Catalogue No: _____	
AT/602 1	12 mm Flat/Improved Pattern Centre Bit Manufacturer: _____ Catalogue No: _____	
AT/603 1	18 mm Flat/Improved Pattern Centre Bit Manufacturer: _____ Catalogue No: _____	
AT/604 2	300 mm Sweep Ratchet Brace Manufacturer: _____ Catalogue No: _____	
AT/605 2	Double Pinion Hand Drill with 8 mm Chuck Capacity Manufacturer: _____ Catalogue No: _____	
AT/606 2	Sets Drill Bits for Metal and Plastic comprising 2/3 mm 1/4 mm 1/5 mm 1/6 mm 1/8 mm 1/10 mm Manufacturer: _____ Catalogue No: _____	
AT/607 2	Sets Drill Bits for Wood comprising 2/3 mm 1/4 mm 1/5 mm 1/6 mm 1/8 mm 1/10 mm Manufacturer: _____ Catalogue No: _____	
AT/608 6	12 mm Countersink Drill Bits Manufacturer: _____ Catalogue No: _____	
AT/609 1	Set Forstner High Speed Bit Set Manufacturer: _____ Catalogue No: _____	

Section 7: Vices, Cramps, Spanners & Plumbing		
Code Quantity	Descriptions & Specifications	Cost €:
AT/701 4	900 mm Sash Cramps Manufacturer: _____ Catalogue No: _____	
AT/702 4	750 mm Sash Cramps Manufacturer: _____ Catalogue No: _____	
AT/703 4	600 mm Sash Cramps Manufacturer: _____ Catalogue No: _____	
At/704 2	Sets of Cramp Heads Manufacturer: _____ Catalogue No: _____	
AT/705 4	Mitre Cutting/Corner Cramps Manufacturer: _____ Catalogue No: _____	
AT/706 6	450 mm Quick Grip Clamps Manufacturer: _____ Catalogue No: _____	
AT/707 24	150 mm Single-Handed Cramps Manufacturer: _____ Catalogue No: _____	
At/708 4	Steel-bodied, nylon Web Cramps Manufacturer: _____ Catalogue No: _____	
AT/709 4	1200 mm T Bar Cramp Manufacturer: _____ Catalogue No: _____	
AT/710 4	T Bar Cramp 600 mm Lengthening Extensions Manufacturer: _____ Catalogue No: _____	
AT/711 4	Model-maker's 'Hand Vice' Manufacturer: _____ Catalogue No: _____	
At/712 1	Fitter's (Metalworking) Vice Manufacturer: _____ Catalogue No: _____	
AT/713 1	100 mm Opening Drill Press Vice Manufacturer: _____ Catalogue No: _____	
AT/715 1	125 Opening Drill Press Vice Manufacturer: _____ Catalogue No: _____	
AT/716 1	Set of Socket Spanners comprising 1/8 mm 1/9 mm 1/10 mm 1/11 mm 1/12 mm 1/13 mm 1/14 mm 1/15 mm 1/16 mm 1/17 mm 1/19 mm 1/22 mm 1/Ratchet Handle Manufacturer: _____ Catalogue No: _____	

AT/717 1	Set of 12 Spanners consisting 1/8 mm 1/9 mm 1/10 mm 1/11 mm 1/12 mm 1/13 mm 1/14 mm 1/15 mm 1/16 mm 1/17 mm 1/19 mm 1/22 mm Deep-offset pattern ring end - open end set at an angle	
	Manufacturer:	Catalogue No:
AT/718 2	Sets of Spanners for Compression Fittings comprising 1/15 mm 1/22 mm 1/28 mm Convex or Similar	
	Manufacturer:	Catalogue No:
AT/719 1	300 mm Stillson Pattern Pipe Wrench	
	Manufacturer:	Catalogue No:
AT/720 1	350 mm Chain Type Pipe Wrench	
	Manufacturer:	Catalogue No:
AT/721 1	Box Type Immersion Heater Spanner	
	Manufacturer:	Catalogue No:
AT/722 1	300 mm Hacksaw	
	Manufacturer:	Catalogue No:
AT/723 1	200 mm Junior Hacksaw	
	Manufacturer:	Catalogue No:
AT/724 1	Ball Pein Hammer	
	Manufacturer:	Catalogue No:
AT/725 1	Lazy Tongs Pop Riveter	
	Manufacturer:	Catalogue No:
AT/726 1	Rivet Snap	
	Manufacturer:	Catalogue No:
AT/727 1	Rivet Set	
	Manufacturer:	Catalogue No:
AT/728 1	Adjustable Tap Wrench	
	Manufacturer:	Catalogue No:
AT/729 1	Tap Set (including taper, second and plug) for 6 mm and 8 mm threads	
	Manufacturer:	Catalogue No:
AT/730 1	Stock for Circular Split Dies	
	Manufacturer:	Catalogue No:
AT/731 1	Set of Circular Split Dies for 6 mm - 8 mm screw cutting	
	Manufacturer:	Catalogue No:
AT/732 1	Set of 150 mm flat, half-round, round, square and triangular double-cut files with handles	
	Manufacturer:	Catalogue No:
AT/733 1	Stand Type Pipe bender including guides and formers for 15, 22 and 28 mm copper tubing	
	Manufacturer:	Catalogue No:

AT/734 2	Twin-roller Copper Tube (3-28 mm) Cutters		
	Manufacturer:	Catalogue No:	
AT/735 1	12 mm Internal Pipe Bending Spring		
	Manufacturer:	Catalogue No:	
AT/736 1	18 mm Internal Pipe Bending Spring		
	Manufacturer:	Catalogue No:	
AT/737 1	15 mm External Pipe Bending Spring		
	Manufacturer:	Catalogue No:	
AT/738 1	9 Piece Set of Allen Keys comprising 1/ 2 mm 1/ 3 mm 1/ 4 mm 1/ 5 mm 1/ 6 mm 1/ 7 mm 1/ 8 mm 1/ 9 mm 1/ 10 mm		
	Manufacturer:	Catalogue No:	

Section 8: Machine Tools		
Note: Details of warranty for each item should be supplied and accompanied by a statement of service support and likely applicable charges.		
Code Quantity	Descriptions & Specifications	Cost €:
AT/801 1	CNC Training Router. Bench top with enclosed work area. Operating footprint to be c.300 x 420 in X-Y plane; capacity to machine a minimum of 60 mm of light materials such as wood and plastic using multiple passes. Router spindle speed to be c.10-25 k per minute. Connection for dust extraction for dust and shavings from cutting area. Machine to be supplied complete with appropriate computer hardware, operating system, software, operator's handbook and appropriate quality training. Appropriate tooling package and accessories for standard operating to be included. 230 V, 50 Hz supply. Manufacturer: Catalogue No:	
AT/802 1	Bandsaw, Floor-standing , tiltable, c.400 mm x 400 mm table, - blade length c.3000 mm -max. width 19 mm. Cutting height 150 mm - 300 mm, cutting width 300 mm - 400 mm. Blade guard, no-volt release switch, c. 1.5 kW, 3 phase, 50 Hz. Manufacturer: Catalogue No:	
AT/802 2	Scroll Saw, 450 mm, with tilt table, variable speed motor, sawdust blower, workpiece hold-down and blade guard attachment. Motor c.120-200 W, 230 V. Manufacturer: Catalogue No:	
AT/803 1	Mortice Machine Floor-standing hollow-chisel , c.12.5 mm adjustable chuck, to take chisels as below, c. 1 kW, 3 phase, 50 Hz. Manufacturer: Catalogue No:	
AT/804 1	Set of 5 hollow mortice chisels comprising - 1/6 mm; 1/10 mm; 1/12 mm; 1/15 mm; 1/18 mm Manufacturer: Catalogue No:	
AT/805 2	Wood Turning Lathe, c.400 W (0.5 HP), floor-standing with faceplate, c.610 mm between centres, 2 Bar bed, variable speed (c.450-2000 rpm) Manufacturer: Catalogue No:	
AT/806 2	Combination Chuck Manufacturer: Catalogue No:	
AT/807 2	Drilling Machine, floor-standing pedestal complete with fitted drill chuck, key and chuck guard. 2 kW, 380V 3 phase, 50 Hz. Manufacturer: Catalogue No:	
AT/808 1	Belt Sander, floor mounted . Table c.400 mm x 200 mm. Belt length c.1500 mm x 120 mm, c.400 W, 230 V, 50 Hz. Note: Fitted with dust extraction facility in accordance with Circular Letter M45/01. Manufacturer: Catalogue No:	
AT/809 1	Double-ended Pedestal Grinder , 250 mm diameter, medium and coarse grit, with tool rests and eye shields. Manufacturer: Catalogue No:	
AT/810 1	Edge Bander, c.500 mm Manufacturer: Catalogue No:	

AT/811 1	Vacuum forming machine, bench top model, cut sheet size min. 250 mm x min. 450 mm. Electrics – 230 V, 50 Hz.	
	Manufacturer:	Catalogue No:
AT/812 1	Thermoplastic sheet Strip Heater, 110 V 50Hz 500 mm suitable for bending thermoplastic sheets up to c.6 mm thick.	
	Manufacturer:	Catalogue No:
AT/813 1	Heat Gun, 12/24/110 V 50 Hz Variable-setting	
	Manufacturer:	Catalogue No:
AT/814 1	Polystyrene Hot Wire Sculptor Cutter, c. 500 mm, 110/230 V, 50 Hz 500 mm cutter. Voltage through wire c.8 V.	
	Manufacturer:	Catalogue No:

Section 9: Portable Power Tools		
Code Quantity	Descriptions & Specifications <i>Note: Portable Tools to be supplied as 12/24 volts cordless appliances, or 110 volts if former option is not available.</i>	Cost €:
AT/901 1	Router, portable, 110 V, 50 Hz, 1.0 kW motor with stand and dust extractor. Manufacturer: _____ Catalogue No: _____	
AT/902 1	Set of 12 Assorted Router Bits Manufacturer: _____ Catalogue No: _____	
AT/903 1	c. 400 mm X 400 mm Non-Slip industrial quality Router Mat Manufacturer: _____ Catalogue No: _____	
AT/904 1	Portable 12/24/110 V 50 Hz c.700 W motor Electric Jigsaw with toolcase Manufacturer: _____ Catalogue No: _____	
AT/905 1	Portable 12/24/110 V 50 Hz Belt Sander with outlet compatible with Dust Extractor Manufacturer: _____ Catalogue No: _____	
AT/906 1	Portable 12/24/110V 50 Hz c.600 W motor Orbital Sander with outlet compatible with Dust Extractor Manufacturer: _____ Catalogue No: _____	
AT/907 1	Portable 12/24/110V 50Hz c.600W Palm Sander Manufacturer: _____ Catalogue No: _____	
AT/908 1	Portable 12/24/110 V, 50Hz Biscuit Joiner with outlet compatible with Dust Extractor Manufacturer: _____ Catalogue No: _____	
AT/909 1	Portable 12/24/110 V, 50 Hz variable speed Power Wood Carver Manufacturer: _____ Catalogue No: _____	
AT/910 1	Portable 12/24/110 V, 50 Hz Pyrograph Machine Manufacturer: _____ Catalogue No: _____	
AT/911 3	Rechargable, minimum 14 V, Portable Cordless Drill with case and spare battery Manufacturer: _____ Catalogue No: _____	
AT/912 1	Portable 12/24/110 V 50 Hz variable speed double insulated electric hand Drill with 13 mm Chuck and Key Manufacturer: _____ Catalogue No: _____	
AT/913 1	Airbrush with fine, medium and heavy-duty head assemblies and long air hose for attachment to compressed air canister or air compressor. Manufacturer: _____ Catalogue No: _____	
AT/914 1	Portable oil-less diaphragm type air compressor for use with airbrush Manufacturer: _____ Catalogue No: _____	
AT/915 1	Mini Rotary Tool/Drill 3 mm shaft capacity Manufacturer: _____ Catalogue No: _____	

AT/916 1	38 mm General Purpose Drill Holesaw Kit comprising 1/16 mm 1/20 mm 1/25 mm 1/32 mm 1/40 mm 1/51 mm A1 and A10 Arbors A7 Ejector Spring	
Manufacturer:		Catalogue No:
AT/917 1	Set of 1/25 mm 1/50 mm 1/75 mm Sanding Drums incorporating an abrasive paper gripping system suitable for mounting into and drill press or power drill	
Manufacturer:		Catalogue No:
AT/918 4	Portable 2 Outlet 110 V Transformers with Extension Cables	
Manufacturer:		Catalogue No:
AT/919 2	5 m, 13 amp, 240 V Extension Cable Reel	
Manufacturer:		Catalogue No:

10. Electronics Equipment		
Code Quantity	Descriptions & Specifications:	Cost €
AT/1001 1 or 1 set	Educational electronics teaching kit capable of allowing for the demonstration of a range (c.20) simple electronic circuits/systems such as fire alarm and motor controllers. Kit to be accompanied with associated guides/texts, and suitable for a group of 24 students. Manufacturer: _____ Catalogue No: _____	
AT/1002 12	Electric soldering iron, complete with stand and sponge, c.15-30 W, 220-240 V Manufacturer: _____ Catalogue No: _____	
AT/1003 1	Temperature controlled electric soldering iron/station, complete with stand and cleaning sponge, c.50 W, 220-240 V Manufacturer: _____ Catalogue No: _____	
AT/1004 12	Miniature electronics tool kit, to contain tools such as pliers, snips, wire strippers and screwdrivers, in appropriate case. Manufacturer: _____ Catalogue No: _____	
AT/1005 6	Helping-hands for soldering work Manufacturer: _____ Catalogue No: _____	
AT/1006 6	LT variable voltage power supply unit, overload protection. Performance (approx.): DC – 0-25 V (no load) and 24 V (8 A load) AC – 0-25 V (no load) and 24 V (8 A load) Manufacturer: _____ Catalogue No: _____	
AT/1007 2	De-soldering pump, portable type. Manufacturer: _____ Catalogue No: _____	
AT/1008 6	Digital multi-meter, auto-ranging frequency measurement, capacitance measurement and transistor test. Voltage a.c and d.c – c.5 ranges each from 200 mV x 100 µV to 600 V x 1 V Current a.c and d.c – c.4 ranges each from 2 mA x 1 µA to 10 x 10 mA Resistance – c.6 ranges from 200 R x 0.01 R to 20 M x 10 K Capacitance – c.5 ranges from 2000 pF x 1 pf to 20 µF 10 nF Frequency – c.5 ranges from 2 kHz x 1 Hz to 20 MHz x 100 kHz Diode test Continuity test Transistor test NPN and PNP Manufacturer: _____ Catalogue No: _____	
AT/1009 2 2 2	Single core wire, diameter, c.1.2 mm x c.100 m length, to include: Black reels Red reels Blue reels Manufacturer: _____ Catalogue No: _____	
AT/1010 2 2 2	Stranded wire, diameter, c.1.4 mm x c.100 m length, to include: Black reels Red reels Blue reels Manufacturer: _____ Catalogue No: _____	
AT/1011 1 1	Extra flexible stranded wire, diameter, c.2.8 mm x c.100 m length, to include: Red Black Manufacturer: _____ Catalogue No: _____	

AT/1012 25	Cable Mounting Sockets 20 Way	
	Manufacturer:	Catalogue No:
AT/1013 10	Pack of c.10 crocodile clip leads.	
	Manufacturer:	Catalogue No:
AT/1014 50 50 50 50	Pack/kit of 4 mm plugs and sockets, to include: 4 mm Plug Red 4 mm Socket Red 4 mm Plug Black 4 mm Socket Black	
	Manufacturer:	Catalogue No:
AT/1015 40 40 40 40 40 40 300	Pack/kit of battery holders and clips, to include: 2XAA 4XAA 2XC 4XC 2XD 4XD PP3 battery snaps	
	Manufacturer:	Catalogue No:
AT/1016 5 packs 500 500 500 500 500	Pack/kit of micro-miniature electrolytic capacitors, to include, Variety capacitor kit suitable for simple electronic circuit building 100 μ F 16v 220 μ F 16v 470 μ F 16v 1000 μ F 16v 2200 μ F	
	Manufacturer:	Catalogue No:
AT/1017 5 1000 500 500 500500 500 500 500 500 500 500	Pack/kit of resistors, to include: Variety resistor kit suitable for simple electronic circuit building 270R 1K 2K2 4K7 10K 22K 33K 100K 150K 1M	
	Manufacturer:	Catalogue No:
AT/1018 50 50 50 50 50 50 50	Pack/kit of potentiometers, to include: 1K LIN 2200K LIN 10K LIN 47K LIN 100K LIN 1M LIN 100K LIN dual control (stereo)	
	Manufacturer:	Catalogue No:

AT/1019 20 20 10	Miniature motors, to include: High torque miniature motor, 3-6 V High power, 12 V motor Solar motor	
	Manufacturer:	Catalogue No:
AT/1020 100	Motor mount (e.g., self-adhesive) to suit miniature motors detailed in AT/1021.	
	Manufacturer:	Catalogue No:
AT/1021 5	Miniature multi-ratio gearbox and motor (clearbox motor), assembled OR in kit form, motor to operate on c.1.5-4.5 V power supply.	
	Manufacturer:	Catalogue No:
AT/1022 5	Miniature worm drive gearbox with motor, assembled or in kit form, motor to operate on c.1.5-4.5 V power supply.	
	Manufacturer:	Catalogue No:
AT/1023 100	MES lamp (bulb), 6 V/60 mA, commercial grade.	
	Manufacturer:	Catalogue No:
AT/1024 100	MES lamp (bulb) holder, solder tags at base.	
	Manufacturer:	Catalogue No:
AT/1025 500	MES lamp (bulb) holder, spring loaded contact, fixing centres: c.23 mm.	
	Manufacturer:	Catalogue No:
AT/1026 100 100 100	Pack/kit of assorted colours MES lamp holders, to include: Red Green Orange	
	Manufacturer:	Catalogue No:
AT/1027 500 500 500 500 3000 500 500 40	Pack/kit of assorted standard 5 mm LED's and clips, to include: Red Yellow Green Flashing 5 mm bezel panel clips (one piece). Silicone rectifier diode IN4001 1A, 50V max. Silicone rectifier diode IN5401 3A, 100V max Seven segment LED display, common cathode, c.13 mm	
	Manufacturer:	Catalogue No:
AT/1028 50	Light dependent resistor (ORP 12 specification)	
	Manufacturer:	Catalogue No:
AT/1029 100 10	Pack/kit of assorted sizes of strip-board, to include: 25 mm x 64 mm 119 mm x 455 mm	
	Manufacturer:	Catalogue No:
AT/1030 25	Pack/kit of breadboard, to include: 400 Tie points	
	Manufacturer:	Catalogue No:

AT/1031	Pack/kit of miniature relays, to include:	
25	DPDT 5A	
25	SPDT 5A	
25	SPDT 10A	
25	DPDT 8A	
	Manufacturer:	Catalogue No:
AT/1032	Pack/kit of NTC thermistors, to include:	
50	5 k ohm	
50	2700 ohm	
	Manufacturer:	Catalogue No:
AT/1033	Pack/kit of general purpose transistors, to include:	
200	ZTX321 NPN specification	
100	BC108 NPN specification	
100	BFY51 NPN specification	
100	BC109 NPN specification	
50	TIP121 Darlington NPN specification	
	Manufacturer:	Catalogue No:
AT/1034	Pack/kit of linear integrated circuits (ICs), to include:	
50	555 Timer	
25	741 Op Amp	
25	3140 Op Amp	
25	556	
25	7400	
25	7490	
	Manufacturer:	Catalogue No:
AT/1035	Pack/kit of miniature speakers, for example:	
25	8 ohm	
25	64 ohm	
100	Buzzer, 6 V (leads)	
25	Miniature piezo buzzer	
	Manufacturer:	Catalogue No:
AT/1036	Pack/kit of miniature switches, to include:	
150	Miniature toggle SPST	
150	Miniature toggle SPDT	
100	Miniature rocker	
200	Standard slide DPDTCO	
200	Push to make	
200	Push to break	
100	Push latching	
50	Tilt switch (mercury)	
10	Reed switch with magnets	
50	Microswitch button	
50	Microswitch lever	
50	Microminiature microswitch lever	
	Manufacturer:	Catalogue No:
AT/1037	Pack/kit of miniature thyristors, to include:	
50	TIC106D specification	
	Manufacturer:	Catalogue No:
AT/1038	Control knobs, to fit c.6 mm shaft	
50	Manufacturer:	Catalogue No:
AT/1039	Low-fume / colophony free solder, 500 g / 22 swg (0.71 mm)	
10	Manufacturer:	Catalogue No:
AT/1040	Multiple drawer storage cabinets, plastic drawer type, wall mountable, c.60 drawer unit size.	
2	Manufacturer:	Catalogue No:

AT/1041	Pack/kit of accessories suitable for electronics work (i.e., push-fit directly to miniature motor shafts):	
5	Pack of c.10 plastic wheels, various diameter sizes (e.g., 30 mm – 70 mm)	
5	Pack of c.10 plastic propellers, c.100 mm diameter, 2 or 3 blades.	
5	Pack of c.10 2 mm steel shafting	
5	Pack of c.10 3 mm steel shafting	
5	Pack of c.10 miniature pulleys, various diameter sizes (e.g., 8 mm to 25 mm)	
5	Pack of c.10 plastic gears, various diameter sizes (e.g., 15 mm to 40 mm)	
	Pack of c.10 miniature worm gears	
	Manufacturer:	Catalogue No:

Section 11: Brick/Block Laying, and Glazing Tools		
Code Quantity	Descriptions & Specifications	Cost €:
AT/1101 1	30 m Die-Cast Chalkline Manufacturer: Catalogue No:	
AT/1002 1	150 mm x 6 mm Cold Chisel Manufacturer: Catalogue No:	
AT/1103 1	150 mm x 12 mm Cold Chisel Manufacturer: Catalogue No:	
AT/1104 1	200 mm x 15 mm Cold Chisel Manufacturer: Catalogue No:	
AT/1105 1	200 mm x 18 mm Cold Chisel Manufacturer: Catalogue No:	
AT/1106 1	200 mm x 25 mm Cold Chisel Manufacturer: Catalogue No:	
AT/1107 2	225 mm x 50 mm Bolster Chisel Manufacturer: Catalogue No:	
AT/1108 2	Solid Brass Plumb Bob Manufacturer: Catalogue No:	
AT/1109 1	250 mm Steel, Capped Bricklayer's Trowel Manufacturer: Catalogue No:	
AT/1110 1	125 mm Steel, Standard Pointing Trowel Manufacturer: Catalogue No:	
AT/1111 1	300 mm x 300 mm Aluminium Hawk Manufacturer: Catalogue No:	
AT/1112 1	275 mm x 119 mm Stainless Steel Plastering Float Manufacturer: Catalogue No:	
AT/1113 1	300 mm X 125 Wood Float Manufacturer: Catalogue No:	
AT/1114 1	600 mm X 400 mm X 2.5 mm Steel Roofing Square Manufacturer: Catalogue No:	
AT/1115 2	Tungsten Carbide Glass Cutter Manufacturer: Catalogue No:	
AT/1116 1	Glass Cutter's 'Tee' Square Manufacturer: Catalogue No:	
AT/1117 1	50 mm Putty Knife Manufacturer: Catalogue No:	
AT/1118 1	75 mm Putty Knife Manufacturer: Catalogue No:	

Section 12: Paint Brushes, Sweeping Brushes & Dispensers		
Code Quantity	Descriptions & Specifications	Cost €:
AT/1201 6	12 mm Paint Brush Manufacturer: _____ Catalogue No: _____	
AT/1202 6	25 mm Paint Brush Manufacturer: _____ Catalogue No: _____	
AT/1203 6	38 mm Paint Brush Manufacturer: _____ Catalogue No: _____	
AT/1204 6	50 mm Paint Brush Manufacturer: _____ Catalogue No: _____	
AT/1205 2	Paint Brush Pencil Lark/Crow Manufacturer: _____ Catalogue No: _____	
AT/1206 2	25 mm Paint Brush Fitches consisting 1/round, 1/lining, 1/flat and 1/bent Manufacturer: _____ Catalogue No: _____	
AT/1207 2	225 mm Paint Roller and Tray Manufacturer: _____ Catalogue No: _____	
AT/1208 2	Seam Roller Manufacturer: _____ Catalogue No: _____	
AT/1209 1	200 mm x 43 mm Wallpaper Brush Manufacturer: _____ Catalogue No: _____	
AT/1210 2	Wallpaper Scissors Manufacturer: _____ Catalogue No: _____	
AT/1211 4	Model-making Cement Dispenser Manufacturer: _____ Catalogue No: _____	
AT/1212 2	Metal Applicator Skeleton Gun for use with 305-310ml adhesive or sealant cartridges Manufacturer: _____ Catalogue No: _____	
AT/1213 1	Hot Glue Gun complete with box of glue sticks (c.1kg) 230V, 50 Hz Manufacturer: _____ Catalogue No: _____	
AT/1214 1	Cordless Rechargeable Hot Glue Gun Manufacturer: _____ Catalogue No: _____	
AT/1215 12	Banister type c.300 mm x 50 mm flat-backed Bench Brush. Resin set pure bristle Manufacturer: _____ Catalogue No: _____	
AT/1216 4	600 mm Sweeping Brush with Handle Manufacturer: _____ Catalogue No: _____	
AT/1217 2	Yard Brush with Handle Manufacturer: _____ Catalogue No: _____	
AT/1218 1	4 Row Heavy Duty Wire Brush Manufacturer: _____ Catalogue No: _____	
AT/1219 1	300 mm X 200 mm Square Mouth 700 mm Handled Shovel Manufacturer: _____ Catalogue No: _____	
AT/1210 1	West Country Pattern Shovel with 1350 mm Handle Manufacturer: _____ Catalogue No: _____	
AT/1211 1	1350 mm Handled Grafting Spade Manufacturer: _____ Catalogue No: _____	
AT/1212 1	Heavy-duty Plastic Bucket c.10 litre capacity Manufacturer: _____ Catalogue No: _____	
AT/1213 2	Large Plastic Dust/Litter Bin with Lid capacity c.80 litres Manufacturer: _____ Catalogue No: _____	

Section 13: Specialist Instruments		
Code Quantity	Descriptions & Specifications	Cost €:
AT/1301 1	Wet & Dry Bulb Hygrometer , c.250 mm x 100 mm. Plastic moulded with glass reservoir. Relative Humidity chart. Manufacturer: _____ Catalogue No: _____	
AT/1302 1	Sound Level Meter, LCD Display 30 dB – 130 dB Manufacturer: _____ Catalogue No: _____	
AT/1303 1	Light Meter, LCD Display (Lux and/or candelas) - resolve to 0.1 Lux Manufacturer: _____ Catalogue No: _____	
AT/1304 1	Laser Level for student use. Suitable for indoor or outdoor work. With visible laser safe for student use. Accuracy of 6 mm at 35 mm, 360° rotation, also usable for vertical alignment, heavy duty tripod and protective carrying case and 2 m extendable staff. Manufacturer: _____ Catalogue No: _____	

Section 14 – CAD Software and Hardware		
Code Quantity	Descriptions & Specifications:	Cost €:
AT/1400	Specifications are currently being developed for the ICT CAD software and hardware appropriate to this subject. Manufacturer: _____ Catalogue No: _____	0.00

Section 15: Safety Equipment		
Code Quantity	Descriptions & Specifications:	Cost €
AT/1501 1	Wall-Mounted First Aid Cabinet c.370 mm x c.24 mm with hinged door and equipped with minimum 24 person first aid kit Manufacturer: Catalogue No:	
AT/1502 1	Set of minimum 6 / Laminated wall-mounted assorted Safety Signs Manufacturer: Catalogue No:	
AT/1503 25	Non-mist Safety Goggles, full ventilation, suitable for use over spectacles, kite marked to BS 2092 Manufacturer: Catalogue No:	
AT/1504 2	Headband and ear cup type ear defenders. To be supplied with two sets of renewable sealing rings and to conform to EN352/BS5108. Attenuation to 20 dB required Manufacturer: Catalogue No:	
AT/1505 12	Clearways face shields with adjustable headbands. Full facial and eye protection while operating machine tools etc. Kite marked to BS2092 Manufacturer: Catalogue No:	
AT/1506 24	Student aprons suitable for workshop use Manufacturer: Catalogue No:	
AT/1507 1	Lightweight safety spectacles with fully adjustable side frames and clear side shields fitted with replaceable lenses to BS2092 Manufacturer: Catalogue No:	

Note: Equipment to be commissioned and training provided where appropriate.

Department of Education and Science

Equipment for Architectural Technology FIFTEEN SECTIONS			
Section	Code	Descriptions & Specifications:	Total Cost €:
Section 1	AT/101-121	Geometric and Drawing Tools	
Section 2	AT/201-228	Handsaws and Chisels	
Section 3	AT/301-320	Turning and Carving Tools	
Section 4	AT/410-430	Hand Planes, Knives and Oilstones	
Section 5	AT/501-523	Precision Tools, Screwdrivers etc.	
Section 6	AT/601-609	Bits, Drills and Braces	
Section 7	AT/701-738	Vices, Cramps, Spanners, Plumbing	
Section 8	AT/801-814	Machine Tools	
Section 9	AT/901-919	Portable Power Tools	
Section 10	AT/1001-1041	Electronics Equipment	
Section 11	AT/1101-1118	Brick/Block Laying, Glazing Tools	
Section 12	AT/1201-1213	Paint & Sweeping Brushes, Dispensers	
Section 13	AT1301-1303	Specialist Instruments	
Section 14	AT/1400-	CAD Software and Hardware	
Section 15	AT/1501-1507	Safety Equipment	
Total :			€
Add for VAT :			€
Total Amount for AT 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 & Science.

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 and 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: _____