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**Construction Studies/Architectural
Technology/ MT Wood**

**Construction Studies – AT List B
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 & Skills.

It is essential that tenders and tenderers for equipment for school use shall:

- Comply fully with the specifications and be durable and safe for school use.
- Comply fully with the standards as detailed and shall comply fully with European Standards (EN), both established and developing.
- Comply with European electrical standards and CE marking as appropriate.
- Fully comply with requirements in the Request for Tenders (RFT) document.
- Be accompanied by documentation of sufficient detail for full evaluation.
- 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: Machine Tools | | |
|--|---|------------|
| Code Quantity | Descriptions & Specifications | Cost €: |
| Equipment to be commissioned and training provided where appropriate. | | |
| AT/B/101 1 | <p style="text-align: center; color: red;">ONE ITEM ONLY PER SCHOOL - SEE TECH/B/117</p> <p>CNC 3-axis Training Router. Bench top with enclosed work area. Operating footprint minimum 575 mm x 325 mm in X-Y plane; capacity to machine a minimum of 110 mm of light materials such as light alloys, wood and plastic using multiple passes. Spindle speed 10-25 krpm. Feed Rate c.5000 mm/min, 3D profiling c. 4500 mm/min. Spindle Motor c. 1.3 kw. Connection for dust extraction for dust and shavings from cutting area. Machine to be supplied complete with operating system, 2D & 3D controlling software compatible with file format for PCB production. Fourth axis attachment. Appropriate tooling package and accessories for standard operating to be included. 230 V, 50 Hz supply. Note: Details of specification of computer required to operate to be furnished to school. Three year on site warranty to include parts and labour.</p> <p>Manufacturer: _____ Catalogue No: _____</p> | |
| AT/B/102 1 | <p>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. Three year on site warranty to include parts and labour.</p> <p>Manufacturer: _____ Catalogue No: _____</p> | |
| AT/B/102 2 | <p>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. Three year on site warranty to include parts and labour.</p> <p>Manufacturer: _____ Catalogue No: _____</p> | |
| AT/B/103 1 | <p>Mortice Machine Floor-standing hollow-chisel , c.12.5 mm adjustable chuck, to take chisels as below, c. 1 kW, 3 phase, 50 Hz. Three year on site warranty to include parts and labour.</p> <p>Manufacturer: _____ Catalogue No: _____</p> | |
| AT/B/104 1 | <p>Set of 5 hollow mortice chisels comprising - 1/6 mm ; 1/10 mm; 1/12 mm; 1/15 mm; 1/18 mm</p> <p>Manufacturer: _____ Catalogue No: _____</p> | |
| AT/B/105 2 | <p>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) Three year on site warranty to include parts and labour.</p> <p>Manufacturer: _____ Catalogue No: _____</p> | |
| AT/B/106 2 | <p>Combination Chuck</p> <p>Manufacturer: _____ Catalogue No: _____</p> | |
| AT/B/107 2 | <p>Drilling Machine, floor-standing pedestal complete with fitted drill chuck, key and chuck guard. 2 kW, 380V 3 phase, 50 Hz. Three year on site warranty to include parts and labour.</p> | |

| | | | |
|---------------|---|---------------|--|
| | Manufacturer: | Catalogue No: | |
| AT/B/108 1 | Belt/Disc, floor-mounted Sander, with table. Belt length c.1200 mm x 150 mm wide; c.225 mm disc diameter. 230 V, 50 Hz. Note: To be supplied its own local/integral dust extraction system. NOT to be connected to a Central System. Belt working length to be c.500 mm. Larger machines NOT suitable, for Health and Safety Reasons. Three year on site warranty to include parts and labour. | | |
| | Manufacturer: | Catalogue No: | |
| AT/B/109 1 | Double-ended Pedestal Grinder , 250 mm diameter, medium and coarse grit, with tool rests and eye shields. Three year on site warranty to include parts and labour. | | |
| | Manufacturer: | Catalogue No: | |
| AT/B/110 1 | Edge Bander, c.500 mm Three year on site warranty to include parts and labour. | | |
| | Manufacturer: | Catalogue No: | |
| AT/B/111 1 | Vacuum forming machine, bench top model, cut sheet size min. 250 mm x min. 450 mm. Electrics – 230 V, 50 Hz. Three year on site warranty to include parts and labour. | | |
| | Manufacturer: | Catalogue No: | |
| AT/B/112 1 | Thermoplastic sheet Strip Heater, 110 V 50Hz 500 mm suitable for bending thermoplastic sheets up to c.6 mm thick. Three year on site warranty to include parts and labour. | | |
| | Manufacturer: | Catalogue No: | |
| AT/B/113 1 | Heat Gun, 12/24/110 V 50 Hz Variable-setting Two year warranty. | | |
| | Manufacturer: | Catalogue No: | |
| AT/B/114 1 | Polystyrene Hot Wire Sculptor Cutter, c. 500 mm, 110/230 V, 50 Hz 500 mm cutter. Voltage through wire c.8 V. Two year warranty. | | |
| | Manufacturer: | Catalogue No: | |
| AT/B/115 1 | Sharpening Machine (Horizontal Grinder), floor mounted; c.400x30 mm, wheel speed c.110 rpm; with oil cooling system and standard accessories; for use with holder for blades up to c.60 mm wide; single phase motor unless otherwise specified. Three year on site warranty to include parts and labour. | | |
| | Manufacturer: | Catalogue No: | |

Note: Equipment to be commissioned and training provided where appropriate. Where servicing is required during the warranty period then the cost should be included in the tender price.

| Equipment for Construction Studies/Architectural Technology AT/B ONE SECTION | | | |
|---|--------------|--------------------------------------|------------------|
| Section | Code | Descriptions & Specifications: | Total Cost €: |
| Section 1 | AT/B/101-115 | Machine Tools: € | |
| | | Add for VAT : € | |
| | | Total Amount for AT/B List: € | |

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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 and in the Request for Tenders (RFT).

I/We hold a current tax clearance certificate.

Company: _____

Signed: _____ Date: _____

Position: _____