Standard Specification for Digital Stencil Duplicator
in Standard Design Secondary/Primary Schools

1. **Type**
   1.1 Fully integrated digital stencil duplicator with automatic masters and copy production inside one machine.

2. **Feedboard**
   2.1 Tray capacity to contain 1,000 sheets of 80 g/m² paper. Independently adjustable side guides and sawtooth scale to correct positioning of paper.

3. **Delivery**
   3.1 Adjustable controlled delivery unit with movable back and side fences to contain at least 1,000 sheets of 80 g/m² sheets.

4. **ADF**
   4.1 At least 20 sheets.

5. **Resolution**
   5.1 At least 300 dots per inch.

6. **Speed**
   6.1 Adjustable between 60 and 120 c.p.m. by push button.

7. **Master Production**
   7.1 Automatic digital thermal cutting by line type thermal head and rejection the master to a container after use. Print image adjustable for vertical and lateral position.

8. **Counter**
   8.1 Four-digit preset counter. Motor and feed shut off automatically on the last feeding paper.

9. **Trial Printing**
   9.1 One sheet ejection for proof before whole lot printing facility.
10. **Combination Printing**

10.1 One single copy facility from two originals, side by side up to A4 size, feeding into the machine.

11. **Image Quality**

11.1 High contrast and halftone printing facility by selection of line or photo mode.

12. **Colour Printing**

12.1 Available through a single change of ink drum without machine cleaning between colour changes.

13. **Magnification**

13.1 Capable to reduce original up to 71 per cent image.

14. **Paper Size**

14.1 Minimum 105 x 148 mm
   Maximum 297 x 420 mm

15. **Paper Weight**

15.1 50-200 g/m²

16. **Image Area**

16.1 Maximum 245 x 350 mm

17. **Power**

17.1 Suitable for local electrical supply of 200-220 volts, 50 Hz, single phase, AC supply with proper earth bonding.

18. **Consumables**

18.1 The price of consumables such as ink and masters should be fixed at a projected scale from 1st year of installing the machine to 5th year. Information such as c.c. per ink cartridge, length (in metre) of stencil master roll, etc. should also be provided.

N.B.: All necessary safety devices should be in compliance with laws of Hong Kong.
Special Conditions of Contract

1. Equipment Requirements

1.1 All equipment shall be designed to satisfy, where applicable, the following standards or their equivalents:

1.1.1 BS 415 "Specification for safety requirement for mains-operated electronic and related apparatus for household and similar general use”.

1.1.2 BS 4743 "Specification for safety requirements for electronic measuring apparatus.”

1.2 Unless specified otherwise, the equipment shall operate to the specification within the following mains supply range:

   1.2.1 200-240V A.C. single phase, 50 +/- Hz.

   1.2.2 Power transformer shall preferably be integral with the respective equipment.

1.3 Unless specified otherwise, all equipment shall function in full compliance with the quoted and any other manufacturer's specifications, under the following environmental conditions:

   1.3.1 temperature 0-40 degree celsius

   1.3.2 relative humidity 10-95%

   1.3.3 salty atmosphere found in tropical coastal regions

2. Documentation

2.1 Two sets of operation manual, maintenance manual, service manual in English version should be delivered together with the equipment.

3. The supplier shall, at his own expense, make good, to the satisfaction of School representative, any defect on the equipment due to improper workmanship, faulty design, component failure which may arise within a period of at least one year from the acceptance of the equipment, components which have been interchanged during the warranty period shall have a new warranty period for one year commencing from date of replacement.

4. The supplier shall guarantee the availability of spares for the anticipated life of the equipment. Sufficient spares should be held in Hong Kong by the tenderer/supplier to cater for maintenance during the defects liability period.

5. The supplier shall be prepared to enter into a maintenance contract for the equipment specified and shall quote for an annual maintenance charge which is valid for two years after the initial warranty period. This maintenance commitment shall be considered as an option to be exercised on or before the expiry date of the warranty period.