



## SEDIBENG DISTRICT MUNICIPALITY

**SPECIFICATION: 8/2/21-2011**

### **SPECIFICATION: REQUEST FOR THE SUPPLY AND DELIVERY OF A LARGE FORMAT PRINTER TO THE IT DEPARTMENT OF THE SEDIBENG DISTRICT MUNICIPALITY**

#### **DESCRIPTION**

##### **1. PURPOSE**

The purpose of this document is to outline bid specifications to acquire a large format printer for special printing requirements in the Information Management Department.

##### **2. SPECIFICATION REQUIREMENTS**

Printing Technology		Piezoelectric inkjet
Media handling	Width	210 to 1,625 mm
	Thickness	Maximum 1.0 mm
	Roll outer diameter	Maximum 210 mm
	Roll weight	Maximum 40 kg
	Core diameter	76.2 mm or 50.8 mm
Printing / cutting width		Maximum 1,600 mm
Ink cartridges	Type	Roland EXO-SOL Max Ink
	Capacity	220 cc or 440 cc
	Colors	6 colors ( <b>cyan, magenta, yellow, black, light cyan, light magenta</b> )
Printing resolutions		Max 1,440 dots per inch
Cutting speed		10 to 300 mm/s
Blade force		30 to 300 gf
Blade offset		0 to 1.5 mm
Software resolutions (when cutting)		0.025 mm/step
Distance accuracy (when printing)		Error of less than $\pm 0.3\%$ of distance traveled or $\pm 0.3$ mm
Alignment accuracy for printing and cutting		$\pm 0.5$ mm or less
Media heating system	Print heater	Setting range for the preset temperature: 30 to 50°C
	Dryer	Setting range for the preset

		temperature: 30 to 45°C
Connectivity		Ethernet (10Base-T/100Base-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 120V, 8.2A, 50/60 Hz, or AC 220 to 240 V, 4.2 A, 50/60 Hz
Power consumption	During operation	Approx. 1,080 W
	Sleep mode	Approx. 14.8 W
Acoustic noise level	During operation	64 dB (A) or less
	During stand-by	41 dB (A) or less
Dimensions (with stand)		2,575 (w) x 705 (d) x 1,105 (h) mm
Weight (with stand)		130 kg
Included items		Stand, power cord, blade, blade holder, media clamps, media holder, replacement blade for separating knife, user's manual software RIP
Additional items required		Advanced take-up system (bottom roller)
		VersaWorks (or similar) - easy to use RIP software
Delivery		Delivery, setup and installation required to site

### 3. EVALUATION CRITERIA

The evaluation criteria will consist of three sections, namely Technical evaluation, Financial evaluation and Equity evaluation.

In order for a service provider to be scored in the Financial and Equity sections the proposed product must fully comply with the Specification Requirements as evaluated during the Technical evaluation process.

	Points	Total		Description
1	Compliance with Specification	100	100	Technical Evaluation
5	Price	80	100	Financial Evaluation
HDI	No franchise to national elections prior to 1983 and 1993 Constitution	8		Equity

	Female	4		
	Disability	2		
	Locality (Sedibeng Region)	6		

#### **4. ADJUDICATION**

It is anticipated that the tender amount will not exceed R500 000.00; therefore it is advertised for adjudication on an 80/20 preferential pointing system.

**Preference will be given to local based companies and to organizations that can submit a track record of experience in this field.**