**Testing - 50% Cotton Universal Security Paper**

**Supporting documents to be forwarded to the supplier by the contracting authority:**

- picture of the required original watermark 1:1 in pdf

(above and hereinafter the „**supporting documents**“)

The supplier shall prove the fulfilment of the tender conditions by delivering a sample of the original watermark in approx. A4 format (the sample may not contain safety fibres) and 2000 sheets of 50% cotton universal security paper in the format 700 x 1000 mm, long grain (another positive - negative watermark currently available to the supplier can be used) and satisfactory results of laboratory and printing tests.

**The supplied sheets of paper will be subjected to the following tests:**

1. **LABORATORY TEST**

**Material:**

1 sheet (approx. A4 format) with the required original watermark

10 sheets of 50% cotton universal security paper (another positive - negative watermark currently available to the supplier can be used)

**Test progress:**

For 1 sheet (approx. A4 format) with the required original watermark, the similarity of watermark will be compared with the pdf image sent to the supplier and with a watermark on the existing paper used by the contracting authority.

For 10 sheets of 50% cotton universal security paper, the quality of the continuous watermark will be control in the STC laboratory, the paper parameters will be measured and their conformity will be compared with the values stated in the technical specification, which was part of the tender.

1. **PRINT TEST ON PRODUCTION PRINTING MACHINES IN STC**

**Material:**

1990 sheets of 50% cotton universal security paper

**Test progress:**

1990 sheets will be printed on production printing machines in STC by the following printing techniques.

a) wet offset printing technique

b) Intaglio printing technique

c) hot - stamping

d) laser digital printing

e) UV dried ink-jet printing

The printed pattern will be selected by STC. The smooth transit of the paper through the printing machines without buckling, dusting, loosening security threads and the trouble-free printability of the paper by using of the above-mentioned printing techniques will be assessed at the printing process.