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OP160635RFP – PROVISION OF THERMAL PAPER ROLLS

Questions & Answers

Q1: Annex A – Table of Technical Specification of Thermal Paper (a/a 8 – Roll Diameter): Please specify the minimum required length of the roll and any acceptable tolerance (+/-)

A1: Every roll shall have 290m of printable paper with maximum roll diameter 180mm. There is no minimum roll diameter, as the diameter may vary depending on the paper thickness.

Q2: Annex A – Certified Types of Thermal Paper: The paper type KPO 460 of the manufacturer KANZAN does not comply with the technical specifications of the Tender as it is not a TOP COATED thermal paper. Please exclude the specific type.


A2: The paper type KANZAN – KPO460 shall be excluded from the procedure as it does not meet the requested specifications (non top coated).

Bellow you may find the updated list of acceptable types of thermal paper:

MANUFACTURER	PAPER TYPE	
APPLETON / APPVION	Resiste 600-3.1	Top Coated
APPLETON / APPVION	Resiste 600-3.3	Top Coated
APPLETON / APPVION	Alpha Plus 600-3.2	Top Coated
HANSOL	Teukgam Pro76	Top Coated
KANZAKI SPECIALTY PAPER	LOTTO-482	Top Coated
KANZAKI SPECIALTY PAPER	LOTTO-850	Top Coated
KANZAN	KLS 46	Top Coated
KOEHLER	KT80TC	Top Coated
MITSUBISHI PAPER EUROPE	TF 8067	Top Coated
MITSUBISHI PAPER EUROPE	TF 8075	Top Coated
MITSUBISHI PAPER EUROPE	TL 3000	Top Coated
MITSUBISHI PAPER EUROPE	TL 4000	Top Coated
OJI PAPER	PDC 85	Top Coated
OJI PAPER (THAILAND) LTD	PDC101-85	Top Coated

Q3: On page 6 par 9.1.1 (Non – Disclosure Statement NDA) you ask for a declaration stating that we agree with the requirements referred to ANNEX B ?

A3: You don't have to send a declaration regarding NDA. NDA is a confidentiality statement that you have to sign and send along with the other supporting documents.

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Q4: In page 7 at 9.1.2 paragraph you ask you for a " Supplier Registration Form" You mean an application to participate or something else? ISO certificates you ask on the same paragraph are for our company or manufactures?

A4: You can find the "Supplier Registration Form" in OPAP site as follows:

- In Greek language : <http://www.opap.gr/web/corporate.opap.gr/138> and
- In English language : <http://www.opap.gr/en/web/corporate.opap.gr/138>

All data and certifications are required from the suppliers who will submit an offer.

Q5: Please inform us how thermal rolls should be placed in the box. In case we should place two rolls on the 35cm side of the box they will not fit. Please also inform us which of the dimensions mentioned in par 3a is height width and length.

A5: Every cardboard box shall contain 4 rolls wrapped in pairs with special waterproof membrane. The inner length of the box shall be approximately 35-36cm to fit the rolls without moving in it. Please check Answer 1 about rolls diameter. Dimensions of card boxes are: 35 cm length 16cm width and 18cm height.

Q6: Article 9.1.2. part3 - "Participation Bond for the amount of €150.000 issued by a reputable bank...". Please confirm that the scanned PDF image from the Original Participation Bond document is enough for Phase A. We are going to add PDF image to "Supporting documents / Phase A" file.

A6: All supporting documents must be in electronic form except the Participation Bond that must be in original paper form.

Q7: Article 3. "Packaging of thermal paper rolls". Is the barcode on the box label the same (unique OPAP code, 6 digits) for all boxes?

A7: The barcode shall be the same for all boxes.

Q8: Is there a maximum requested "weight" for the box?


A8: The box weight shall be approx. 170-270gr but it depends on the type of box that will be used.

Q9: Is there a maximum requested "height" for pallets?

A9: Every pallet shall contain 96 boxes, 8 pallet rows, 12 boxes per row.

Q10: Please confirm yellow color for UV paint.

A10: Only for the production of the sample rolls that may be requested, you may use yellow color for UV printing.

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Q11: Please specify the type size and type character of micro text.

A11: It is clearly indicated in the “sample artwork”. In case you need the artwork, you shall receive it after providing the NDA signed.

Q12: Please specify the type of the wave for carton box material. Can be "B wave carton box" used?

A12: The boxes shall be "D type 2mm" or “B type 3mm”.

Q13: Please specify the thermal roll end mark: The length, the color, face or back side, left or right side or both sides.

A13: It is clearly indicated in the “sample artwork”. In case you need the artwork, you shall receive it after providing the NDA signed.

Q14: How the end of the roll is closed: with label or with adhesive?

A14: The end of the roll shall be closed with adhesive. The adhesive to be used should not impede unwinding or release of paper and will not stick on the thermal printer head and create problems in the printing process.


Q15: How the paper is fixed on the spool: with adhesive or to wrap/fold up the initial part of the roll.

A15: As described in the RFP (Annex A, 1, Notes, 1) “The tip of the thermal paper should be firmly glued onto the spool. The adhesive to be used should not impede unwinding or release of paper from the spool and will not stick on the thermal printer head and create problems in the printing process.”

Q16: On the left and right borders of the roll there are blanks. Is 5mm blank space acceptable?

A16: No Blank space is acceptable. It is clearly indicated in the “sample artwork”. In case you need the artwork, you shall receive it after providing the NDA signed.

Below you may find additional specifications regarding paper characteristics:

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A/A	DEFINITIONS	METHODOLOGY	VALUES	PAPAMETER
1	Paper type		Thermal paper	Functional
2	Paper protective coating		Top coated	Quality
3	Weight	ISO 536	70 - 95 gr/m ²	Quality
4	Thickness	ISO 534	71 - 105 µm	Functional
5	Opacity	ISO 2471	>= 90 %	Functional
6	Reflectance (500 - 700 nm)	Moore Model 082	80 % minimum	Functional
7	Whiteness	ISO 11475	150 CIE minimum	Quality
		ASTM E-313-00	120% minimum	
8	Smoothness (Bekk)	ISO 5627	150 s minimum	Functional
9	Tear Resistance MD, g (Elmendorf)	ISO 1974	40 mN min - 630 mN max	Functional
	Tear Resistance CD, g (Elmendorf)		40 mN min - 690 mN max	
10	Thermal response (initial)		85 - 90 °C	Functional
	Thermal response (operation)		105 - 115 °C	
11	Maximum printing speed		180 mm/s	Functional
12	Thermal paper ion concentration - bad factors that affect the print head life		Na ⁺ ion 500 ppm maximum	Functional
			Cl ⁻ ion 300 ppm maximum	
			K ⁺ ion 150 ppm maximum	
13	Stability of paper characteristics		5 years under 25 °C and 65% RH	Functional
14	Stability of print out		5 years under 25 °C and 65% RH	Functional
15	Print out color		Black	Functional
16	Paper width		82,5 +/- 0,5 mm	Functional
17	Paper form		Roll	Functional
18	Roll diameter		180 mm maximum	Functional
19	Roll spool diameter (inside)		25,4 +/- 1,0 mm	Functional
	Roll spool diameter (outside)		40,0 +/- 1,0 mm	
20	Roll width		82,5 +/- 0,5 mm	Functional
21	Spool width		82,5 +/- 0,5 mm	Functional
22	Spool type		Spool must be made of solid white plastic	Economy
23	Roll winding		Thermal coating face out	Functional
24	Roll tension		The paper must be tightly wound with winding force which does not exceed paper snapping point	Functional