

TECHNICAL BIDDING DOCUMENT

Supply of Offset Thermal Printing Plates

(Compatible with Kodak CTP System and Heidelberg Offset Presses)

1. Item Description

Supply of Offset Thermal Aluminum Printing Plates compatible with the existing Kodak Computer-to-Plate (CTP) System and Heidelberg Sheet-Fed Offset Printing Presses.

2. Quantity

As per purchase requisition.

3. Technical Specifications

Sr. No.	Parameter	Requirement
1	Plate Technology	Thermal CTP Offset Printing Plate
2	Manufacturer	Original Kodak, Fuji, Agfa, or equivalent internationally recognized manufacturer
3	Plate Type	Positive-working thermal aluminum plate
4	CTP Compatibility	Fully compatible with existing Kodak CTP Plate Setter and Kodak Processor without any modification to hardware, software, chemistry or processing parameters
5	Thermal Sensitivity	800–850 nm
6	Plate Thickness	0.30 mm manufacturer's standard tolerance
7	Plate Size	1030 mm × 770 mm
8	Imaging Resolution	Minimum 2400 dpi
9	Dot Reproduction	1%–99% at 350 lpi
10	Screening Compatibility	AM, FM, and Hybrid Screening
11	Run Length (Without Baking)	Minimum 100,000 impressions
12	Run Length (With Baking, if applicable)	Minimum 500,000 impressions
13	Abrasion Resistance	Suitable for high-speed Heidelberg sheet-fed offset presses
14	Processing Speed	Fully compatible with existing Kodak processor
15	Plate Edge Quality	Burr-free and press-safe
16	Safe Light Requirement	Standard Yellow Safelight

4. Manufacturer Authorization (Mandatory)

The bidder shall submit:

- A valid Manufacturer Authorization Certificate (MAF) issued by the original manufacturer for the product, quoted in the offer.
- Documentary evidence confirming that the bidder is an authorized distributor/dealer of the offered product.

Failure to provide valid authorization may render the bid technically non-responsive.

5. Quality and Compliance Requirements

The manufacturer shall possess:

- ISO 9001 Quality Management System Certification. (Mandatory)
- ISO 14001 Environmental Management System Certification (preferred).
- Compliance with ISO 12647 or equivalent offset printing process control standards. (Preferred)

Each batch shall be traceable through clearly identifiable batch/lot numbers.

6. Shelf Life

- Minimum residual shelf life of 80% of the manufacturer's declared shelf life at the time of delivery.
- Manufacturing date must be clearly printed on the packaging.
- Shelf life declaration shall be submitted with the bid.

7. Packaging Requirements

The supplied plates shall:

- Be factory-sealed, light-tight, and moisture-resistant.
- Be packed to withstand long-distance transportation and storage.
- Clearly indicate:
 - Manufacturer Name
 - Product Name
 - Product Code
 - Batch/Lot Number
 - Manufacturing Date
 - Expiry Date
 - Quantity
 - Storage Conditions
 - Country of origin

07. Warranty

The supplier shall warrant that:

- Plates are new, unused, and free from manufacturing defects.
- Plates are free from coating defects and substrate imperfections.
- Any defective material shall be replaced at the supplier's expense.

08. Delivery Schedule

Complete delivery shall be made within four (4) weeks from the date of issuance of Purchase Order.

09. Mandatory Documents Required with Bid

The bidder shall submit:

1. Technical Datasheet.
2. Manufacturer Authorization Certificate.
3. Written Compatibility Declaration.
4. Product Certificate of Origin.
5. ISO 9001 Certificate for Manufacturer
6. ISO 14001 Certificate (if available).

10. Sample Submission and Trial

The bidder should submit:

- Five (05) plate samples with manufacture specification sheet for machine Test & Trial.
- Final acceptance shall be subject to successful trial results.