Invitation to Tender

Purchase of Specialist Industrial Inkjet Printer

**BIG2049**

(Please be sure your submitted tender shows this reference number)

(Please make sure that you state this reference on all communications with us)

1. Background

CHX Products Limited (CHX) is a leading UK manufacturer of recycled plastic promotional products printed in full colour. The company has come a long way since its origins in 1997. Since we first started we have made close to half a billion items for thousands of customers in the UK and abroad.

We have a wide range of standard products available in eight colours on a fast 10 day service. Our high quality products include trolley tokens, badges, keyrings, fridge magnets and flying discs, along with items for the automotive, travel, leisure, conference, stationary and home environments

We are looking to invest in a new state of the art inkjet printer. The investment will improve our production capacity and flexibility and allow us to enter new market sectors or niches where there is less price competition. It will also significantly lower our raw material costs as we will require it to print direct onto our products rather than using a laminated transfer paper. This will result in a significant cost saving to us.

The purchase of these items is part of a grant funded application process and therefore procurement will be subject to grant approval of the project as a whole. We will compare tenders received on a compliance basis and is awarded on the lowest compliant tender.

1. Project Specifications

Project Title: Purchase of: Purchase of Specialist Industrial Inkjet Printer

Project Reference: BIG 2049

(Please state this on all communications with us)

## Specialist Industrial UV Inkjet Printer with the following key feature set:

**Construction:**

The system needs to be designed for industrial use and rated for 3 shift production operation

Construction will be of a robust frame or chassis made from steel

Accommodation of flat substrate sheets of up to 320 x 220mm. Allowing a maximum print area of 305 x 205mm

Main print axis to be X axis with a high speed linear motor capable of precision linear motion controlled by a high resolution optical encoder.

An adjustable Z axis is required in order that printheads can be raised and lowered to accommodate different substrate heights up to 200mm deep

Print table with a flat table top with a vacuum capability to hold media

Mounting holes provided for jig fixings

The machine will be fully safety guarded print station with Emergency Stop circuit and full CE certification

**Cycle Time / Performance:**

Cycle time of 40 seconds, or less, for full CMYK print including cure this will necessitate a print speed of 35m /sec or greater

Accuracy and repeatability needs to be 0.1mm or greater.

**Printhead:**

UV cured, CMYK with multiple heads capable of single pass and multiple pass printing Native Print Resolution up to 600 dpi Print drop accuracy greater than 20µ

Bulk ink system which can allow filling during printing operation

Sensor required to act as crash stop to avoid printhead damage

**UV curing system:**

A high output UV curing system, light shielded for protection from UV exposure

**Human - Machine Interface (HMI):**

Must be able to define print speeds and X axis positioning

Must have support for image files in tiff, jpeg and bitmap formats and be capable of RIP imaging and print control software and all electronics to be included

System to support stitching regimes with maximum print width to be printed at 600 dpi in stitched single passes

PC for interfacing with print electronics as needed, required

Robot interface: Trigger to provide “print go” signal with ‘STOP’, ‘GO’, ‘BUSY’ outputs (to allow for automated loading/unloading of injection moulded parts by our industrial robots)

**Quotation to include:**

Delivery to: Bodmin PL31 2QB

Commissioning with full system test and consumable costs to be included

Commissioning to include user familiarisation

3 year warranty

1. ITT Timetable

 The anticipated timetable for submission of the tender and commission milestones are set out below:

|  |  |
| --- | --- |
| **Activity** | **Date** |
| Date ITT available on Contracts Finder | 23, December 2016 |
| Last date for raising queries | 31, December 2016 |
| Last date for clarifications to queries | 03, January 2017 |
| Deadline to return ITT | 09, January 2017 |
| Evaluation of ITT | 10, January 2017 |
| Award of Contract  | This is subject to successfully obtaining grant funding and will normally be no later than 90 days from contract evaluation |

1. Conflicts of Interest

Please provide a statement with regards to a conflict of interest for this procurement through the provision of either:-

A Declaration that to your knowledge there is no conflict of interest between your company and CHX Products Limited (CHX) that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise their impartiality and independence in the contexts of this procurement procedure.

Or

A Declaration that there is a likely conflict of interest between your company and CHX that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise their impartiality and independence in the contexts of this procurement procedure, please provide details of this connection.

This will permit CHX, that in the event of a conflict of interest, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial party.

**Exclusion**

CHX shall exclude applicants from participation in this procurement procedure where they have established or are otherwise aware that the applicant, to include administrative, management or supervisory staff that have powers of representation, decision or control of the applicants company, has been the subject of a conviction by final judgment of one of the following reasons:-

 Participation in a criminal organisation

 Corruption

 Fraud

 Terrorist offences or offences linked to terrorist activities

 Money laundering or terrorist financing

Child labour and other forms of trafficking in human beings

1. Consortium or sub-contracting

Where a consortium or sub-contracting approach is proposed, all information requested should be given in respect of the proposed prime contractor or consortium leader. Relevant information should also be provided in respect of consortium members or sub-contractors who will play a significant (greater than 25%) role in the delivery of the services under any ensuing Contract.

1. Tender Application Requirements

Please provide paper and or email copies of your application which should include:

1. Confirmation that you the supplier are able to meet the requirements outlined in the brief above.
2. Have included the Reference requested (BIG 2049) be used with all Tenders
3. Details of who to contact in your company in relation to this tender
4. Total cost of providing the goods/services requested in the format required with a breakdown to include:
	* Specialist Industrial Inkjet Printer
	* Commissioning with full system test and user familiarisation
	* 3 year warranty
	* Delivery to CHX, Bodmin, PL31 2QB
5. Tender Scoring Criteria

The tender will be scored only on their compliance to the specification set out in section 2 and awarded to the lowest compliant tender.

1. Tender Returns

Tenders may be returned by email or post, or by delivery in person.

Tenders are to be returned by:-

Latest date to be returned: 09, January 2017

Latest time to be returned: 16:00

If submitting by **email,** tenders should be sent electronically to

Andy.Knight@chxproducts.co.uk

with the following message **clearly noted in the Subject box; ‘**Purchase of Specialist Industrial Inkjet Printer BIG2049’

Tenderers are advised to request an acknowledgement of receipt when submitting by email.

If submitting by post or in person, the Tender must be enclosed in a sealed envelope, only marked as follows:-

Tender - Strictly Confidential – ‘Purchase of Specialist Industrial Inkjet Printer BIG2049’

Contract Reference Number: BIG2049

Addressed to:

Andy Knight

CHX Products Limited

Unit 6

Cooksland Industrial Estate

Bodmin

Cornwall PL31 1QB

The envelope should not give any indication to the Tenderer’s identity. Marking by the carrier will not disqualify the tender.

If delivery **by hand** please obtain an official Receipt at point of delivery

1. **Clarification**

There will not be any negotiations of any of the substantive terms of the Tender Documents. Only clarification queries will be answered. Any clarification queries arising from the Tender Documents which may have a bearing on the offer should be raised as soon as possible in writing. The deadline for clarification questions is 17:00 03, January 2017. All e-mailed queries should be sent to:-

Name: Andy Knight

E-mail: Andy.Knight@chxproducts.co.uk

No representation by way of explanation or otherwise to persons or corporations tendering or desirous of tendering as to the meaning of the tender, Contract or other Tender Documents or as to any other matter or thing to be done under the proposed contract shall bind us unless such representation is in writing and duly signed by Andy Knight of CHX by 03, January 2017. All such correspondence shall be returned with the Tender Documents and shall form part of the Contract.

Tenderers must provide a single point of contact in their organisation for all contact between the Tenderer and CHX

Responses to any queries will be shared through the Contracts Finder website.

**10 Disclaimer**

The issue of this documentation does not commit CHX to award any contract pursuant to the bid process or enter into a contractual relationship with any provider of the service. Nothing in the documentation or in any other communications made between CHX or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between CHX and any other party (save for a formal award of contract made in writing by or on behalf of CHX .

Bidders must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to bidders by CHX or any information contained in CHX’s publications are supplied only for general guidance in the preparation of the tender response. Bidders must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is accepted by CHX for any loss or damage of whatever kind and howsoever caused arising from the use by bidders of such information.

Bidders shall be responsible for their own costs and expenses in connection with or arising out of their response. CHX reserves the right to vary or change all or any part of the basis of the procedures for the procurement process at any time or not to proceed with the proposed procurement at all.

Cancellation of the procurement process (at any time) under any circumstances will not render CHX liable for any costs or expenses incurred by bidders during the procurement process.