

*Tender for Technical consultancy service  
about the design and setting up for the  
smartification of electrospinning nanofiber  
production lines*

## Part I – General Specification

### 1. Introduction

King's Flair International (Holdings) Limited is a HKEX listed company with over 40 years in household product manufacturing. Now the company expands its business to electrospinning nanofibers.

King's Flair is now looking for qualified supplier(s) (hereinafter referred to as “the Supplier”) to supply the technical consultancy service for the design and setting up of electrospinning production lines by smart manufacturing technologies to apply the Re-industrialisation Funding Scheme (hereinafter referred to as “the Items”).

King's Flair will go through an open tender to invite qualified Suppliers and will enter into contract with the selected Supplier based on the terms and conditions of this tender document (hereinafter referred to as “the Tender”).

### 2. Tender Procedures

#### 2.1. Clarification of Tender

For enquiries, please contact the following person:

Danny Chan – Senior Director/Adrian Wong – R&D Director

#### 2.2. Submission of Tender Proposals

Based on “Part II – Technical Specification” and “Part III – Fee Specification”, your tender should be completed in two proposals, namely “Technical Proposal” and “Fee Proposal” with **one set of softcopy**, which should be:

- named with “Technical Proposal” or “Fee Proposal”;
- named with the tender reference and closing date; and
- **submitted not later than 14 days after the tender open to public.**

Soft copy of the documents must be submitted by email to [dannychan@kingsflair.com.hk](mailto:dannychan@kingsflair.com.hk)

adrianwong@kingsflair.com.hk.

Late tenders may not be accepted.

2.2.1. The **Technical Proposal** should include at least the following:

- Tender Submission Form
- Documents and information required in “Part II – Technical Specification”
- NO PRICE OR COST should be included in “Technical Proposal”, otherwise the tender may not be considered

2.2.2. The **Fee Proposal** should include at least the following:

- Schedule and Offer Form
- Reply to “Part III – Fee Specification”

### 3. General Requirements

#### 3.1. Terms of Payment

Payment will be made by electronic means (e.g. bank transfer with [30] days credit against invoice) after completion of goods / services delivery supported by King's Flair's acceptance, unless otherwise specified.

#### 3.2. Validity of Quoted Fees

The fees provided by the Supplier in “Part III - Fee Specification” shall be valid from date of tender submission to the end of the tender appointment period. No change shall be made without the prior consent of King's Flair.

#### 3.3. Termination Policy

The appointment may be terminated by King's Flair subject to mutual agreement.

#### 3.4. Confidentiality

The Supplier shall at all times keep confidential (and to procure that its respective employees shall keep confidential) any confidential information which it may acquire in relation to

King's Flair, its clients, business or affairs and shall not use or disclose such information except with the consent of King's Flair or in accordance with the order of a court of competent jurisdiction provided that the obligations of the Supplier contained in this clause shall cease to apply to any information coming into the public domain otherwise than by breach by the Supplier of its obligations contained in this clause and that nothing herein shall prevent the Supplier from disclosing any such information to the extent required in or in connection with legal proceedings arising out of the agreement / contract between the Supplier and King's Flair.

#### **4. Statutory Obligations**

##### **4.1. Working hours, rates of wages etc.**

The Supplier shall comply with any current legislation or regulations regarding working conditions, working hours, or rates of payment to employees and accept the risk of any impending legislation or other conditions, which alters any obligations or imposes new obligations.

##### **4.2. Compliance with Laws and Regulations**

The Supplier shall ensure full compliance in accordance with the laws and regulations of the Hong Kong Special Administrative Region ("Hong Kong").

##### **4.3. Where applicable, the Supplier (and its sub-contractors, if any) shall ensure that all staff, labour and workers employed and engaged in the supply of the Services to King's Flair are legally entitled to be so employed and engaged, and that all necessary qualification, registration, visas, licenses and permits have been obtained. The Supplier shall indemnify King's Flair on demand from any losses, liabilities, costs and claims resulting from violation of or failure to comply with any terms or conditions of any qualification, registration, permits, licenses or visas or any applicable requirements of Hong Kong laws, ordinances, rules and regulations by staff, labour or workers (e.g. the "Designated workers for designated skills" provision under the Construction Workers Registration Ordinance). From time to time King's Flair may require the Supplier (and its sub-contractors) to demonstrate that all necessary qualification, registration, visas, licenses and permits have been obtained for the lawful employment and engagement of staff, labour and workers in connection with the supply of the Services.**

#### 4.4. Safety precautions

The Supplier shall comply with the Labour Department's regulations for safety and health. The Supplier shall be liable for, and shall indemnify King's Flair against, any expense, liability, loss, claim or proceedings whichever arising under any statute or at the common law in respect of personal injury to or death of any person, or in respect of any injury or damage whatsoever to any real or personal property in so far as such injury or damage whomever arising out of or in the course of or caused by the carrying out of the works.

### 5. Conditions of Tendering

- 5.1. No unauthorized alteration or erasure to the text of the tender documents will be permitted. Any tender containing such alteration or erasure may not be considered
- 5.2. No liability will be admitted, nor claim allowed, in respect of errors in the Supplier's tender due to mistakes which should have been rectified in the manner described above.
- 5.3. King's Flair is not bound to accept the lowest or any tender it may receive.
- 5.4. King's Flair reserves the right to withdraw the invitation before the acceptance of any tender.
- 5.5. King's Flair will not be liable for any expenses or losses which may be incurred by the Supplier in the preparation of its tender including any alternative offers.

## Part II – Technical Specification

### 1. Obligations of the Supplier

- 1.1. Subcontracting and / or out-sourcing the works to other sub-supplier(s) without the prior consent from King's Flair is not allowed.
- 1.2. The Supplier shall meet all the terms and requirements set out in this tender document.

### 2. Scopes of Service

The supplier should provide the technical consultancy service about the design and setting up for the smartification of electrospinning nanofiber production lines, which includes the below items:

- A. Data collection and trace management system for the electrospinning nanofiber production lines
- B. Data analysis, modelling and predictive analytics of electrospinning nanofiber production lines

The supplier should provide the technical consultancy service about the design and setting up for the smartification of electrospinning nanofiber production lines as the below specification.

#### **A. Data collection and trace management system for the electrospinning nanofiber production lines**

- Please provide the draft design of Data collection :
  - I. Smart manufacturing management
  - II. Real-time data collecting system
  - III. Track and Trace Management function

**B. Data analysis, modelling and predictive analytics of electrospinning nanofiber production lines**

- Please provide the work flow of Data analysis
- I. Data analysis of the electrospinning process parameters
  - II. Modelling verification and optimization of the electrospinning process parameters
  - III. Predictive analytics of the electrospinning nanofiber production lines

2.1. Proposed Technical Design

- Implementation plan and lead time required for the completion of works.

Item	Description	Qty	Delivery date
A	Data collection and trace management system for the electrospinning nanofiber production lines	1	
B	Data analysis, modelling and predictive analytics of electrospinning nanofiber production lines	1	

**3. Compliance of Mandatory Requirements**

It is mandatory for the supplier to complete the following table which requires full compliance so as to be considered.

No.	Description	Compliance (Y=comply) (N=not comply)
3.1	The General Conditions of Contract and Terms of Tender are fully understood and accepted	
3.2	Supplier should be capable to supply the technical consultancy service about the design and setting up for the smartification of electrospinning nanofiber production lines	

#### 4. Information to be Provided by the Supplier

A total score of 100 will be assigned in this Section. The passing mark is 60. Only tender(s) getting at least 60 marks will be considered further.

##### 4.1. Supplier company information (30 marks)

Please provide the following information of your company include but not limited to:

- i. Year of establishment (6 marks)
- ii. Number of staff (6 marks)
- iii. Year of the 1st smart manufacturing project (6 marks)
- iv. Number of smart manufacturing project in the past 5 years (with copy of reference documents if available) (6 marks)
- v. Total amount of smart manufacturing project in the past 5 years, etc. (6 marks)

##### 4.2. Job reference (40 marks)

- i. Please provide information for at least 10 commercialized consultancy project about the smart manufacturing technologies such as Internet of Things, real-time data collection and advanced human-machine interfaces, automation, robotics and sensors, information shall include but not limited to following:
  - Description of project (8 marks)
  - Project sum ( $\geq$  HKD 2 million) (8 marks)Copy of reference documents if available
- ii. Please provide information for at least 5 R&D project about the development of nanomaterials, information shall include but not limited to following:
  - Description of project (8 marks)
  - Project sum ( $\geq$  HKD 2 million) (8 marks)Copy of reference documents if available
- iii. Total amount of smart manufacturing projects per year (8 marks)

##### 4.3. Project team information (10 marks)

- i. Organization chart (2 marks)  
Provide staff name and title
- ii. CV of team members (2 marks)  
Provide required information of the team members
- iii. Project manager (3 marks)



- At least 20 years of experience
  - Managed at least 5 smart manufacturing projects per year;
  - Managed at least 30 smart manufacturing projects;
  - Managed at least HK\$ 5 million of smart manufacturing projects
- iv. Team member (3 marks)
- Smart manufacturing related staff with at least 10 year of experience and implemented at least 2 relevant projects
  - Nanomaterial development related staff with at least 10 year of experience and implemented 2 of relevant projects
- 4.4. Please provide the draft design of the data collection and trace management system for the electrospinning nanofiber production lines (10 marks)
- 4.5. Please provide the work flow of the data analysis, modelling and predictive analytics of electrospinning nanofiber production lines (10 marks)

## **5. Tender Evaluation**

- 5.1. A total score of 100 is assigned to “Section 4 Information to be provided by the Supplier”. Tender with scores less than 60 or failing in any attribute may be regarded as unsuccessful and may not be considered further.
- 5.2. In principle, tender meeting requirements set by King’s Flair in “Part II – Technical Specification” and offering the lowest price in “Part III – Fee Specification” will be considered as successful. However, King’s Flair reserves the right to accept the whole or part of the tender and is not bound to accept the lowest or any tender.

### 5.3. Tentative schedule

It is a tentative schedule of the tender process. However, King's Flair reserves the right to change the schedule to suit its operation need.

Items	Tentative Schedule
Tender Issuing Date	
Tender Q&A Submission by Supplier	
Posting of Q&A Reply from King's Flair	
Tender Closing	
Tender Evaluation	
Tender Award / Issue Purchase Order	

### 6. All documents / materials submitted to King's Flair will not be returned.

### Part III – Fee Specification

Please submit “Fee Proposal” with **one softcopy**, which should be submitted by email to [dannychan@kingsflair.com.hk](mailto:dannychan@kingsflair.com.hk)/[adrianwong@kingsflair.com.hk](mailto:adrianwong@kingsflair.com.hk).

The Supplier shall complete the tables below to show the prices / fees for the provision of the Services / the Items. All other associated costs shall be specified (if any).

#### 1. Prices

1.1 Price Table (Please provide information in additional sheet, if necessary)

Items	Description	QTY	Total Price (Currency:____)
1	The technical consultancy service about the design and setting up for the smartification of electrospinning nanofiber production lines (refer to Section 2 of Part II Technical Specification)	1 set	
2	Warranty (1 year)	Included	Included
3	Trade Term: Delivery Duty Paid (DDP) to King's Flair and client site in Hong Kong	Included	Included
		Total:	

1.2 Other cost, if any (please specify)

#### 2. Payment Terms

Please state your acceptance of our payment term in below table.

Description	Acceptance
Net 30 days against invoice by direct credit or T/T after completion of goods / services delivery supported by King's	Yes / No (If no, please specify)

Description	Acceptance
Flair's acceptance	

### 3. Validity of Quoted Prices

The offer provided above shall be valid from date of tender submission to the end of the tender appointment period. No change shall be made without the prior consent of King's Flair.

Remarks:

The submitted fee proposal must comply with the submitted technical proposal in accordance with those requirements set by King's Flair in "Part I – General Specification" and "Part II – Technical Specification".