

#### Description

The Hong Kong Science and Technology Parks Corporation (HKSTP) is now inviting qualified and experienced Contractors to express interest and apply for screening for design and build works of Digital Experience Journey (DEJ) for Development of IE2.0 at Tseung Kwan O Industrial Estate (TKOIE), New Territories.

#### **General Scope**

The design and build works of Digital Experience Journey comprises the works at two buildings, namely Project A – Data Technology Hub (DT Hub) and Project C – Advanced Manufacturing Centre (AMC) at Tseung Kwan O Industrial Estate. Please refer to <u>Annex I</u> for the brief project information and preliminary scope of works.

#### Submission Requirements

In order to be included on the shortlist for the Tender, the prospective contractors are required to:-

- Return the Acknowledgement Slip in <u>Annex II</u>, confirming that you have received this invitation and would like to express interest and apply for screening exercise for this Tender or not;
- (2) Return the Declaration of Conflict of Interest in Annex III;
- (3) Submit the requested information, as outlined in Annexes IV and V, that will be used for screening purposes; and
- (4) Return the Screening Documents Return Checklist in Annex VI.

<u>Annexes II and III</u> shall be returned by email to our Lead Architectural Consultant at <u>tko-amc@wongtung.com</u> no later than <u>12:00 noon on 29 June 2020</u>.

Whilst submissions as stipulated in <u>Annexes IV, V and VI</u> shall be submitted in three (3) sets of hard copy (with one set marked "ORIGINAL" and two duplicate copies marked "COPY") and <u>one (1) set of electronic copy format in CD-ROMs</u> in a sealed envelope no later than <u>12:00 noon on 9 July 2020</u>. The envelope shall be marked on the face with the Subject of the Submission, Title and the Name of Company according to the template as shown in <u>Annex VII</u>. The envelope shall be placed in the "Tender Submission Box" as shown on the Layout Plan in <u>Annex VIII</u>.



# **Procedures of Screening for Shortlisting**

You should note that the shortlisting assessment shall be made strictly based on the information provided in your submissions as outlined in <u>Annex IV</u>. Only the company fulfilling all Screening Criteria will be shortlisted to tender for the design and build works.

You should also note that, should any of your submitted information be found to be non-compliant or incorrect, at any stage, then you shall not be taken forward to the shortlist. You should also note that HKSTP does not bind itself in shortlisting any company to be a tenderer for this Tender, in response to this invitation.

Your attention is drawn to the fact that a briefing session may be arranged during the tender stage following completion of screening exercise. All short-listed companies will be invited to attend this meeting, if required. The identities of the short-listed companies may be revealed when attending such a meeting or where public interest so requires. The Employer shall not be liable for any claims, loss or damages arising from the disclosure of the identity of any short-listed tenderers during such occasions.

#### **Conflict of Interest**

HKSTP has awarded the following consultancy agreements for the Developments of Projects A and C:

#### Project A – DT Hub

- (a) Lead Architectural Consultancy (LAC) Services to Andrew Lee King Fun & Associates Architects Limited who is in collaboration with the following Sub-consultants:-
  - (i) Meinhardt (C&S) Limited as Structural Sub-consultant,
  - (ii) WSP (Asia) Limited as Building Services Sub-consultant,
  - (iii) ADI Limited as Landscape Design sub-consultant,
  - (iv) Ramboll Environ Hong Kong Limited as Environmental Design Sub-consultant,
  - (v) CKM Asia Limited as Traffic Sub-consultant,
  - (vi) Greg Wong & Associates Ltd. as Independent Design Checker,
  - (vii) Inhabit Group as Façade Design Sub-consultant,
  - (viii) BIM Limited as BIM Sub-consultant,
  - (ix) Lightlinks International Ltd. as Lighting Design Sub-consultant,
  - (x) Arcadis Consultancy Hong Kong Limited as FM Independent Checker and Auditor,
  - (xi) Y Y Wong Safety Consultants as Independent Safety Auditor.
- (b) Quantity Surveying Consultancy (QSC) Services to Rider Levett Bucknall Limited.



# Conflict of Interest (Cont'd)

# Project C – AMC

- (c) Lead Architectural Consultancy (LAC) Services to Wong Tung & Partners Limited who is in collaboration with the following Sub-consultants:-
  - (i) Meinhardt (C&S) Limited as Structural, Civil & Geotechnical / Vibration Control Sub-consultant,
  - (ii) Wong & Ouyang (Building Services) Limited as Building Services / Fire Engineering / Lighting Subconsultant,
  - (iii) Nikken Sekkei as Industrial Architectural / Design Sub-consultant,
  - (iv) Ove Arup & Partners (HK) Limited as Logistic Design Sub-consultant,
  - (v) ADI Limited as Landscape Design sub-consultant,
  - (vi) Ramboll Environ Hong Kong Limited as Sustainability Design Sub-consultant,
  - (vii) MVA Hong Kong Limited as Traffic Sub-consultant,
  - (viii) Inhabit Asia Limited as Façade Design Sub-consultant,
  - (ix) Shen Milsom & Wilke Limited as ICT / Audio Visual Design / Acoustic Sub-consultant,
  - (x) VL Design & Consulting Company Limited as Graphic and Way-finding Design Sub-consultant,
  - (xi) Build IT Limited as BIM Sub-consultant;
  - (xii) Steensen Varming Lighting Design (HK) as Lighting Sub-consultant.
- (d) Quantity Surveying Consultancy (QSC) Services to Rider Levett Bucknall Limited.

You shall note that, in order to avoid any conflict of interest, the above companies and/or its designers, engineers, specialists or staffs that have been awarded a Consultancy services for the Projects A or C Developments shall not be permitted to tender either individually or through a related company for the captioned Works Contract. You shall declare any conflict of interest by returning the **Annex III** in your response to this invitation.

# Enquiries

Should you have any enquiry, you may contact our Mr. W.S. Lam or Ms. Vicky Cheng by telephone on 2803 9888 of our LAC's office.



# Annex I - Preliminary Scope of Works

#### Brief Project Information

With the objective to promote "Re-industrialization" and facilitate the migration to "Smart Factory" from labor-intensive manufacturing, 2 pilot projects, namely Project A – Data Technology Hub (DT Hub) and Project C – Advanced Manufacturing Centre (AMC) have been proposed to be developed in Tseung Kwan O Industrial Estate (TKOIE), Hong Kong. The Corporation intends to attract high value-added industries and tailor the new buildings to suit for the new model of industrial premises with reference to Industry 4.0, integrated with innovative and flexible design, advanced IoT and automation technologies.

The brief project information of Projects A & C is summarized below:-

- (i) Project A Data Technology Hub occupies a site of approximately 7,954m<sup>2</sup> at the corner of Chun Yat Street and Chun Cheong Street. The total GFA of the development is about 27,000m<sup>2</sup>, and comprises a 11-storey office tower on the landscaped deck of a 2-storey podium for retail, F&B, conferencing and underground parking facilities. The Main Works Contract for Project A is targeted to be completed by 3Q 2020.
- (ii) Project C Advanced Manufacturing Centre occupies a site of approximately 27,145m<sup>2</sup> bounded by Chun Kwong Street, Chun Cheong Street and Chun Yat Street. The total GFA of the development is about 108,580m<sup>2</sup>, and comprises a 8-storey building for industrial production with a podium and 2 levels of basement with communal facilities, including logistics centre, F&B, carparks, etc., and a footbridge connecting Projects A & C. The Main Works Contract for Project C is targeted to be completed by 3Q 2021.

The design and building works of Digital Experience Journey comprises the works at both buildings of Projects A and C with a Lump Sum Contract. The Form of Contract shall be the Government of the Hong Kong Special Administrative Region General Conditions of Contract for Design and Build Contract – 1999 Edition (Form GF 549) as modified by the Special Conditions of Contract. The General Conditions of Contract for Design and Build Contract for Design and Build Contract – 1999 Edition (Form GF 549) can be viewed on the following website:-

https://www.devb.gov.hk/filemanager/en/content\_188/gf5491.pdf

The Digital Experience Journey Contractor shall be required to enter into Direct Contract with the Employer and shall also be required to work jointly with the Project Consultants Teams and the Main Works Contractor(s) of superstructures of the respective developments for completion of the Design and Build Works of Digital Experience Journey.

#### Definition of Digital Experience Journey

Digital Experience Journey ("DEJ") comprises of attraction points along the physical pathway(s) throughout AMC and DT Hub featured with digital displays, exhibition corners, viewing corridors, assembly points, etc. These attractive points are located on G/F, GM1/F & 1/F of AMC and G/F, 1/F & 2/F of DT Hub while both buildings are connected with a 2-storey link-bridge. Through the connections of the attraction points along the journey, holistic experience among the community of the 2 developments shall be established.

The target audience for the DEJ include tenants of both buildings and their business partners, entrepreneurs of relevant industries and representatives of interested groups, government officials, academia and post-secondary students, other invited guests from the public.



# Annex I - Preliminary Scope of Works (Cont'd)

#### **Objectives of DEJ**

- a) To create an immersive "Experience" to the target audience by means of a guided journey along the dedicated pathway which demonstrates and showcases:
  - i. the story in developing and the features in AMC and DT-Hub respectively;
  - ii. the roles and achievement of HKSTP in fostering Innovation and Technology sector;
  - iii. the AMC tenant's products in order to enhance business opportunities;
- b) To inspire the audience with the concept of "Industry 4.0" and reindustrialization in Hong Kong;
- c) To adopt the latest digital and technological solutions which are innovative, interesting, "fit for purpose", flexible to adapt changes, user-friendly, safe and cost-effective;
- d) To create the digital/ interactive/ multimedia contents to be illustrated along the "Journey" which shall be attractive, interesting, appealing, and also facilitate the interaction with the audience; and
- e) To establish the sense of "community" between the development of AMC and DT Hub, in which the buildings, people and operation are well connected via (i) physical link-bridge building provision, (ii) coherence of facilities and services, and (iii) experience of building users.

#### The Envisioned Journey

- a) [Tentative] Attraction Points of the DEJ
  - i. Main Entrance Lobby of AMC (G/F)

All tenants and invited guests enter AMC through the main entrance lobby which is the starting point of DEJ. Not only being the welcoming spot to handle the day-to-day flow of people, the spacious double-storey atrium is also the ideal space for a variety of events, such as media/PR event, exhibition, presentation, product launch, promotion campaign, etc. A vertical space of approximately 20 m wide x 12 m high has been allowed for installation of immersive wall and other associated display/illustrative systems which may expand the functionality potential of the main entrance lobby and facilitate the interaction with the target audience.

ii. Viewing Corridor of AMC (GM1/F)

A viewing corridor with full-height viewing window allows direct and real-time vision to the Logistic Centre located on G/F without disrupting to the Centre's operation. Additional display screens will be installed in the viewing corridor to illustrate to the operational data of the Centre and the real-time videos captured in other logistics facilities of AMC, including logistics corridors on production floors, loading bay, warehousing system, material handing area, etc.

iii. ProShop of AMC (1/F)

Located on 1/F of AMC, the ProShop is operated as a pilot factory equipped with wide range of cutting-edge production machineries/lines and workshops which support the prototyping and low-volume Smart Manufacturing. The tenants can utilize such communal facilities at affordable costs, thus reducing their cost and space for equipment of less utilization as well as eliminating the souring time in low volume production. Through the transparent interactive glass at the shop-front of the ProShop, target audience can view the actual operation of the ProShop and glab the latest information of the plant technologies by simply touching and dragging on the interactive glass.



# Annex I - Preliminary Scope of Works (Cont'd)

# The Envisioned Journey (Cont'd)

- a) [Tentative] Attraction Points of the DEJ (Cont'd)
  - iv. Smart Catering of AMC (GM/F) and DT Hub (G/F & 1/F) Adopting the new concept in food preparation and catering services, the proposed F&B outlets in both AMC and DT Hub will be equipped with automated systems and robots with minimal human operation. With the aid of digital illustrative display and physical prop-ups in DEJ and actual dining/shopping at the F&B outlets, visitors and building users will experience the Smart Catering technology and enjoy the convenience brought about by the new concept.
  - v. Other Facilities and Communal Services to be Introduced in DEJ

Additional prop-ups, exhibition corners and/or displays shall be set up along the DEJ to introduce the featured design parameters and other facilities/communal services not readily accessible by the target audience in person. Technology solutions shall be adopted for such illustration/display, such as real-time video capturing, VR and AR technologies, physical models, etc. The said design features and facilities/communal services include but not limited to:-

- Seawater district cooling systems (SDCS) of the buildings;
- Design features adopted in AMC to facilitate advanced manufacturing of the production tenants;
- Innovative methods adopted in the construction both developments;
- Robotic parking operation of AMC;
- MICE facilities in DT Hub;
- Operation of the Facility Management Office.
- b) Community of AMC and DT Hub

Apart from the individual merits of the specific facility/service to be illustrated at the attraction points, the overall design of DEJ shall emphasize the connectivity between both developments and establish a sense of "community" among building infrastructure, people and operation.

#### Works Description

The awarded contractor for the design and build works of the Digital Experience Journey requires the following core competences with proven experiences:-

- A) Creative Competence Be creative, with aesthetic mind, with strong sense of communication, able to inspire others, familiar with story-telling and production of multi-media and digital contents to present the given concept/ story/ theme; and
- B) Technology Competence Be with thorough understanding to the application of cutting-edge digital and multimedia technologies and able to implement technology solutions to present/ illustrate/ exhibit the creative contents in practical manner



# Annex I - Preliminary Scope of Works (Cont'd)

#### Works Description (Cont'd)

The preliminary outline scope of works shall include but not limited to:-

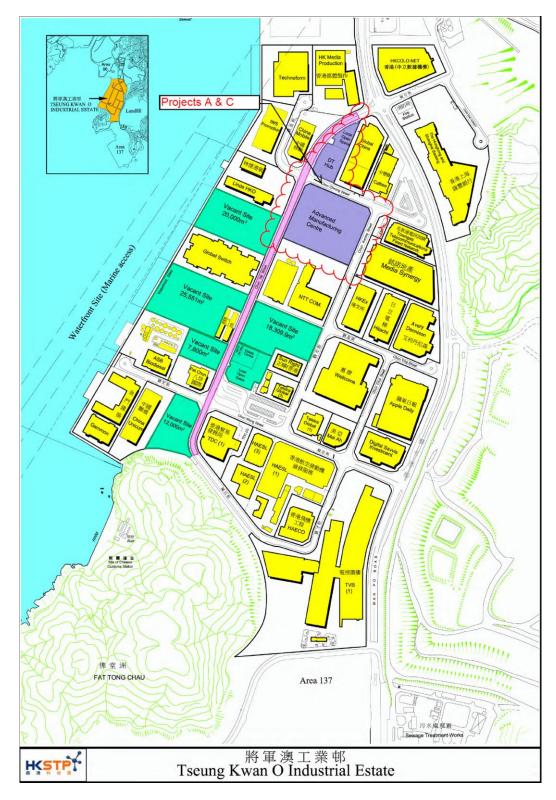
- a) Design the "Journey", walkthrough and attraction points along the dedicated pathways to fulfill the Objectives;
- b) Design and implement theme(s) of the multimedia and/or interactive contents to be illustrated along the "Journey". The contents shall include informative stories for presentation/illustration, digital artworks, multimedia and/or interactive contents/activities and physical models/prop-ups, if any, with consideration of user's interfacing, participation and experience;
- c) Design, supply / procure and install the digital / multimedia / ICT /display systems / equipment and other necessary devices which enable the illustration of the digital/multimedia contents and demonstrative prop-ups at the attraction points along the "Journey". The digital / multimedia / ICT / display system / equipment shall include but not limited to immersive wall, projection system, interactive touch glass, display screens, AR,VR and/or MR technology, sensors, audio-visual systems and the associated control systems;
- d) Supply and install all necessary peripheral devices / components, software, ICT and MEP provisions to suit the approved design and the digital / multimedia / ICT / display systems /equipment; and
- e) Allow necessary fit out work to suit the approved design of the "Journey" in above Item (a) and installation of the digital / multimedia / ICT / display systems / equipment in Item (c) and modification / make-good works to match the interior design of the buildings.

The target completion date of the design and build works of Digital Experience Journey is 3Q 2021.



# Annex I - Preliminary Scope of Works (Cont'd)

# Location Plan of Projects A and C





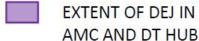
Annex I - Preliminary Scope of Works (Cont'd)

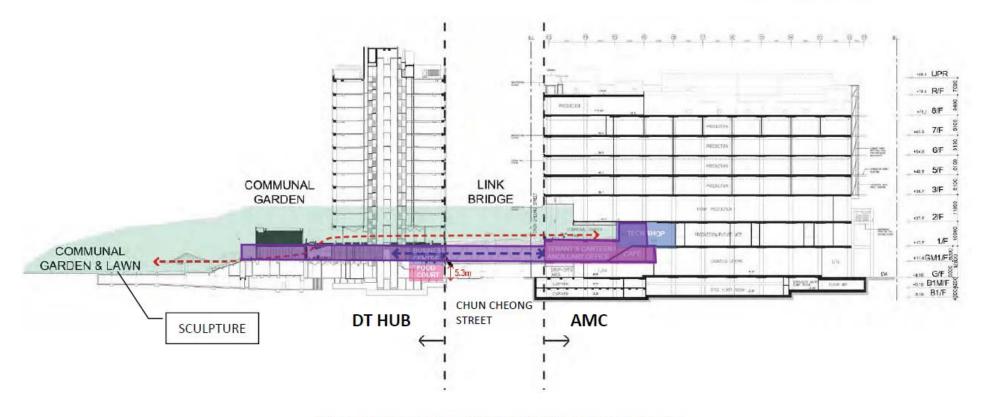


MASTER LAYOUT PLAN OF AMC AND DT HUB



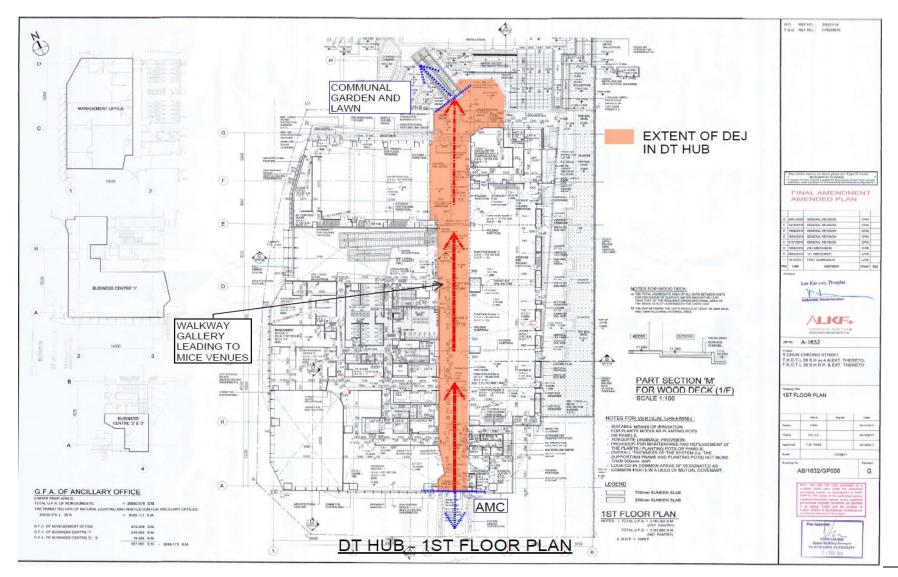
Annex I - Preliminary Scope of Works (Cont'd)



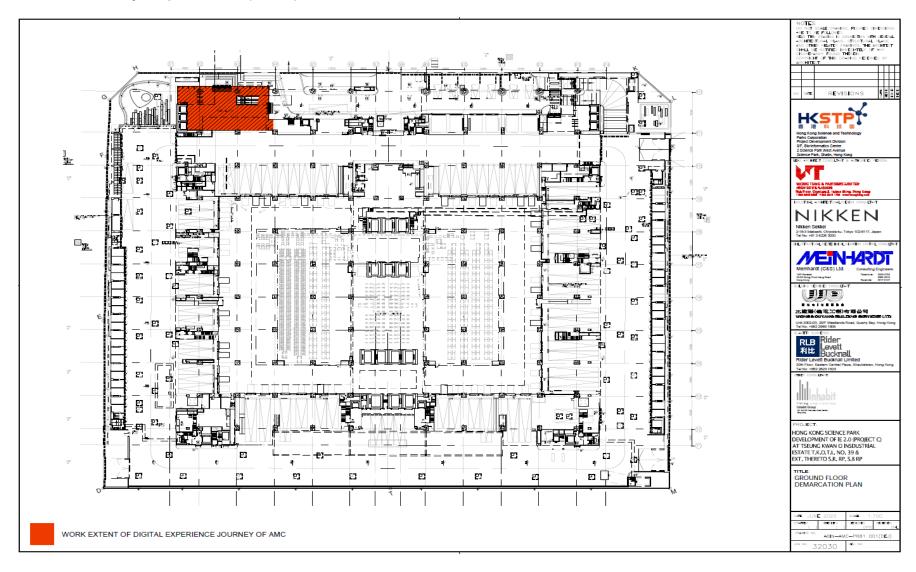


# SECTION DIAGRAM OF AMC AND DT HUB

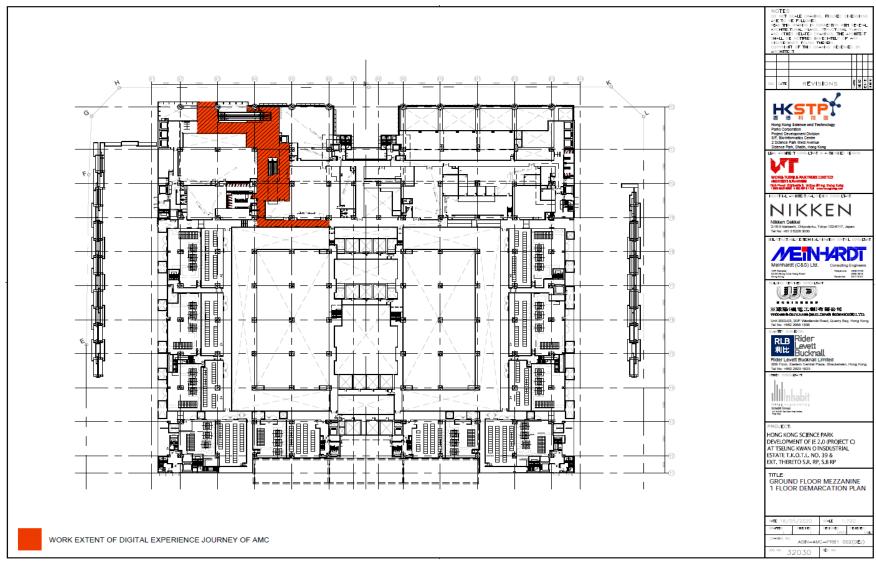




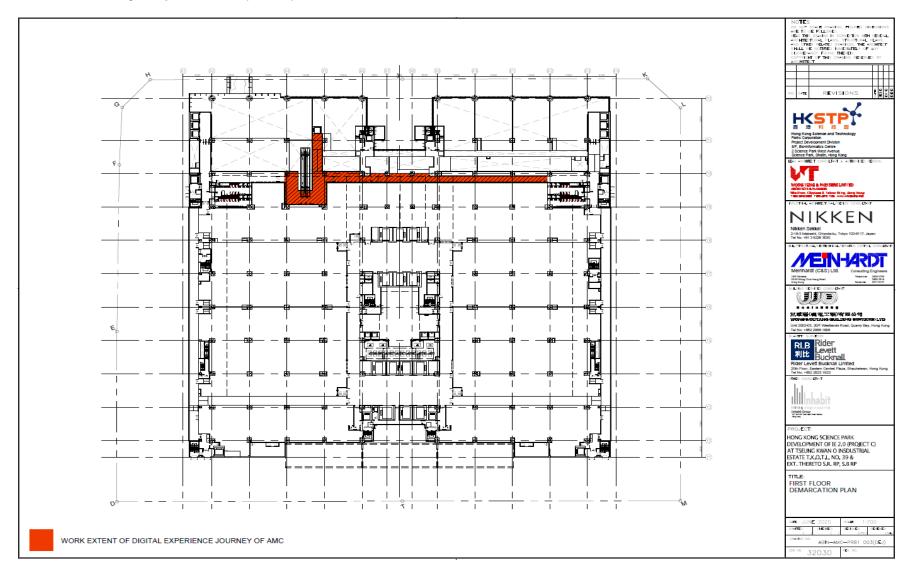






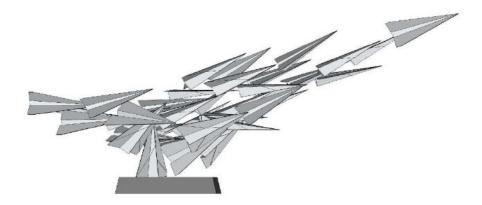




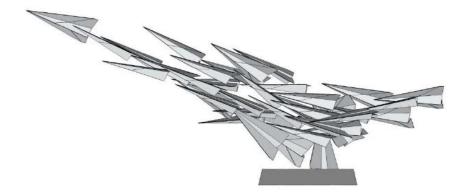




Annex I - Preliminary Scope of Works (Cont'd)



**Right elevation** 



Left elevation

# ELEVATIONS OF SCULPTURE IN COMMUNAL GARDEN AND LAWN



# Annex II – Acknowledgement Slip

We hereby acknowledge receipt of the invitation to expression of interest to Tender for the design and build works of Digital Experience Journey for Development of IE 2.0 dated 18 June 2020.

We hereby confirm that we **\*are / are not** interested for captioned Tender; and we **\*will / will not** provide the requested information for application of the screening for shortlisting. We also acknowledge that should any of our submitted information be found to be non-compliant or incorrect, at any stage, then we shall not be taken forward to the shortlist and eligible for tender submission.

Authorized Signature with Company Chop :

Name of Prospective Company :

Date :

\*delete as appropriate



#### Annex III – Declaration of Conflict of Interest

We hereby declare that we shall not engage the companies and/or its designers, engineers, specialists or staff that have been awarded consultancy services for the Projects A and C developments for tender either individually or through a related company for any other consulting services relevant to the Projects A and C developments.

Authorized Signature with Company Chop :

Name of Prospective Company :

Date :



#### Annex IV – Screening Criteria

The prospective company shall provide the following in the screening submission:-

- (1) Statement for EOI and the Proforma for Screening with document evidence for the relevant experience;
- (2) Additional Information
  - (i) Copy of business registration (For company outside Hong Kong, please state the location of business registration and clarify whether a local office/agent will be available in Hong Kong if the contract is awarded.);
  - (ii) Company organization chart and CV of key personnel;
  - (iii) Resource availability current projects on hand including the contract sums, the completion dates and the approximate completed values of each of these projects. (Please follow the attached summary completed with company chop, in <u>Annex V</u>);
  - (iv) Indicative timeline for overall completion of project with individual durations for a) design development, b) procurement of technology solutions/systems, c) on-site installation, and d) T&C and handover of works [Note The timeline should be based on high-level estimation for reference only.]
- (3) Completed screening documents return checklist.

# <u>Notes</u>

The attention of the prospective company is drawn to the following for the experience requirements:-

- (i) Contracts which are still on-going, irrespective of the date of commencement of the contract, will <u>NOT</u> be considered.
- (ii) Completion here means "certified substantially or practically completed" by the Client, Architect, Interior Designer, Engineer, Surveyor, Project Manager, or equivalent, and applies to the contract as a whole (excluding Defects Liability Periods or Maintenance Periods). Should the above evidence be not applicable, the other appropriate Completion evidence WILL be considered.
- (iii) Multiple Sub-contracts under a single overall building project <u>WILL</u> be considered, provided that clear evidence is submitted to demonstrate such.



# Annex IV – Screening Criteria (Cont'd)

#### Statement for EOI

We hereby write to confirm our intention in undertaking the above Design and Build Works. By submission of the following completed Proforma for Screening, we confirm our understanding and agreement to the conditions as stipulated in the Notice of Invitation to Expression of Interest (EOI) and the associated Annexes.

#### Proforma for Screening

Only the company fulfilling all the following Screening Criteria will be shortlisted to tender for the design and build works.

Part I – Job References for Demonstration of Core Competences

The company has submitted the required qualifying job references in both Creative and Technology Competences respectively; **AND** 

#### Part II – Concept Proposal

Subject to the assessment by the Assessment Panel of the Employer, the company has attained passing mark in their concept proposal for main entrance lobby on G/F with the immersive wall.

# Part I – Job References for Demonstration of Core Competences

#### **Criterion A – Creative Competence**

Previous experience in at least two (2) completed projects (inside/outside Hong Kong) with <u>design, planning and</u> <u>content production</u> for establishment of "journey" experience / promotion campaign / exhibition / corporation rebranding exercise, etc. Each qualifying project shall meet the following criteria:

- Deliverables of the project mainly involve <u>creation of media materials and digital contents</u>, e.g. videos clips, VR/AR/MR contents and application, other multimedia contents interacting with audience, digital artworks, promotion booth and associated physical prop-ups, display/illustrations along dedicated pathway, design and implementation scheme of experience centre/hall, etc; AND
- (ii) For project with multimedia/ digital contents in indoor environment, the floor plan area of such project with the display/ illustration of the multimedia/ digital contents shall not be less than 700 m<sup>2</sup>;

<u>OR</u> for project with outdoor display/ screen for multimedia/ digital contents, the aggregate area of such display/ screens (whether vertical or in other orientation or profile or shape) shall not be less than 120 m<sup>2</sup>; **AND** 

- (iii) The said project was carried out by the prospective company or its sub-contractor# who shall also be nominated to be the sub-contractor for the part of "Creative Competence" if the prospective company is shortlisted to tender for this Works contract; AND
- (iv) The said project was completed in the *past 5 years* counting from the final date set for the close of EOI submission.



# Annex IV – Screening Criteria (Cont'd)

Part I – Job References for Demonstration of Core Competences					
Criterion A - Project Reference No. 1					
Project Title:					
Location:	*Hong Kong / Outside Hong Kong (Please Specify:)				
Description of Project					
Level of Impact / Social Engagement	Number of audience				
Deliverables of the Project:	<ul> <li>Video clips (Duration minutes)</li> <li>VR/AR/MR contents and application</li> <li>Other multimedia contents interacting with audience (Please specify:)</li> <li>Digital artworks</li> <li>Promotion booth and associated physical prop-ups</li> <li>Display/illustrations along dedicated pathway</li> <li>Design and implementation scheme of experience centre/hall</li> <li>Others (Please specify:)</li> </ul>				
Project Cost	HK\$ [for the production of multimedia materials/ digital contents and the associated design services]				
Project Area	For project with multimedia/ digital contents in indoor environment,M <sup>2</sup> [>700 m <sup>2</sup> ] on floor plan of such project with the display/ illustration of the multimedia/ digital contents; OR For project with outdoor display/ screen for multimedia/ digital contents, the display/ screens (whether vertical or in other orientation or profile or shape) with aggregate area ofM <sup>2</sup> [>120 m <sup>2</sup> ]				
Name of the Contractor/Service Provider of the Project	<ul> <li>Prospective Company of this EOI, OR</li> <li>Sub-contractor<sup>#</sup> of the Prospective Company (Please specify)</li> </ul>				
Name of Client and Contact Person:					
Year of project completion:					

\* Delete as appropriate

□ "Tick" to select as appropriate

- # The Prospective Company may submit project reference completed by other contractor for consideration to be a Qualifying Project Reference in this EOI exercise as long as such contractor shall be nominated to be the "Sub-contractor" of the Prospective Company for the relevant Core Competence if the Prospective Company is shortlisted and included in the Tenderer List of the project. The Employer reserves the rights not to further consider the tender if such "Sub-contractor" for the Core Competence is changed/replaced in the tendering stage.
  - Please insert additional rows to the table if required
  - Please also attach document evidence for the above project reference, i.e. project photos, project portfolio, reference letters, and/or relevant correspondence (e.g. Certificate of Practical Completion issued by the employer/contract administrator), etc.



# Annex IV – Screening Criteria (Cont'd)

Part I – Job References for Demonstration of Core Competences				
Criterion A - Project Reference No. 2				
Project Title:				
Location:	*Hong Kong / Outside Hong Kong (Please Specify:)			
Description of Project				
Level of Impact / Social Engagement	Number of audience			
Deliverables of the Project:	<ul> <li>Video clips (Duration minutes)</li> <li>VR/AR/MR contents and application</li> <li>Other multimedia contents interacting with audience (Please specify:)</li> <li>Digital artworks</li> <li>Promotion booth and associated physical prop-ups</li> <li>Display/illustrations along dedicated pathway</li> <li>Design and implementation scheme of experience centre/hall</li> <li>Others (Please specify:)</li> </ul>			
Project Cost	HK\$ [for the production of multimedia materials/ digital contents and the associated design services]			
Project Area	For project with multimedia/ digital contents in indoor environment,M²         [>700 m²] on floor plan of such project with the display/ illustration of the multimedia/ digital contents;         OR         For project with outdoor display/ screen for multimedia/ digital contents, the display/ screens (whether vertical or in other orientation or profile or shape) with aggregate area ofM² [>120 m²]			
Name of the Contractor/Service Provider of the Project	<ul> <li>Prospective Company of this EOI, OR</li> <li>Sub-contractor<sup>#</sup> of the Prospective Company (Please specify)</li> </ul>			
Name of Client and Contact Person:				
Year of project completion: <u>Note</u>				

\* Delete as appropriate

□ "Tick" to select as appropriate

- # The Prospective Company may submit project reference completed by other contractor for consideration to be a Qualifying Project Reference in this EOI exercise as long as such contractor shall be nominated to be the "Sub-contractor" of the Prospective Company for the relevant Core Competence if the Prospective Company is shortlisted and included in the Tenderer List of the project. The Employer reserves the rights not to further consider the tender if such "Sub-contractor" for the Core Competence is changed/replaced in the tendering stage.
  - Please insert additional rows to the table if required
  - Please also attach document evidence for the above project reference, i.e. project photos, project portfolio, reference letters, and/or relevant correspondence (e.g. Certificate of Practical Completion issued by the employer/contract administrator), etc.



# Annex IV – Screening Criteria (Cont'd)

# Part I – Job References for Demonstration of Core Competences

#### Criterion B – Technology Competence

Previous experience in at least two (2) completed projects (inside/outside Hong Kong) with <u>design, supply and</u> <u>installation</u> of cutting-edge digital and multimedia technologies. Each qualifying project shall meet the following criteria:

- Deliverables of the project mainly <u>involve design</u>, installation and application of digital and multimedia <u>technologies</u>, e.g. digital display, video / immersive wall, VR/AR/MR technology and application, interactive touch screen, audio and visual system, etc in "journey" experience / digital artworks / promotion campaign / exhibition / product launch / other social events in sizable scale to facilitate the presentation of the given concept/ story/ theme; AND
- (ii) For project with digital and multimedia technologies (hardware) in indoor environment, the floor plan area of such project with the application of multimedia/ digital technologies shall not be less than 700 m<sup>2</sup>;

<u>OR</u> for project with outdoor digital and multimedia technologies (hardware), the aggregate area of display/ screens (whether vertical or in other orientation or profile or shape) shall not be less than 120 m<sup>2</sup>; **AND** 

- (iii) The said project was carried out by the prospective company or its sub-contractor# who shall also be nominated to be the sub-contractor for the part of "Technology Competence" if the prospective company is shortlisted to tender for this Works contract; AND
- (iv) The said project was completed in the *past 5 years* counting from the final date set for the close of EOI submission.



# Annex IV – Screening Criteria (Cont'd)

Part I – Job References for Demonstration of Core Competences					
Criterion B - Project Reference No. 1					
Project Title:					
Location:	*Hong Kong / Outside Hong Kong (Please Specify:)				
Description of Project					
Deliverables of the Project:	<ul> <li>Digital display (Please state type and technology)</li> <li>Video / immersive wall (Please state type and technology)</li> <li>*VR / AR/ MR technology</li> <li>Interactive touch screen</li> <li>Audio / Visual system</li> <li>Others (Please specify:)</li> </ul>				
Project Cost	HK\$ [for the hardware of the technical solutions and the associated services]				
Project Area	For project with digital and multimedia technologies (hardware) in indoor environment,M <sup>2</sup> [>700 m <sup>2</sup> ] on floor plan of such project with the application of multimedia/ digital technologies; OR For project with outdoor digital and multimedia technologies (hardware), the application of multimedia/ digital technologies with aggregate area of M <sup>2</sup> [>120 m <sup>2</sup> ]				
Name of the Contractor of the Project <ul> <li>Prospective Company of this EOI, OR</li> <li>Sub-contractor<sup>#</sup> of the Prospective Company</li> <li>(Please specify)</li> </ul>					
Name of Client and Contact Person:					
Year of project completion:					

<u>Note</u>

\* Delete as appropriate

□ "Tick" to select as appropriate

# The Prospective Company may submit project reference completed by other contractor for consideration to be a Qualifying Project Reference in this EOI exercise as long as such contractor shall be nominated to be the "Sub-contractor" of the Prospective Company for the relevant Core Competence if the Prospective Company is shortlisted and included in the Tenderer List of the project. The Employer reserve the rights not to further consider the tender if such "Sub-contractor" for the Core Competence is changed/replaced in the tendering stage.

Please insert additional rows to the table if required

• Please also attach document evidence for the above project reference, i.e. project photos, project portfolio, reference letters, and/or relevant correspondence (e.g. Certificate of Practical Completion issued by the employer/contract administrator), etc.



# Annex IV – Screening Criteria (Cont'd)

Part I – Job References for Demonstration of Core Competences					
Criterion B - Project Reference No. 2					
Project Title:					
Location:	*Hong Kong / Outside Hong Kong (Please Specify:)				
Description of Project					
Deliverables of the Project:	<ul> <li>Digital display (Please state type and technology)</li> <li>Video / immersive wall (Please state type and technology)</li> <li>*VR / AR/ MR technology</li> <li>Interactive touch screen</li> <li>Audio / Visual system</li> <li>Others (Please specify:)</li> </ul>				
Project Cost	HK\$ [for the hardware of the technical solutions and the associated services]				
Project Area	For project with digital and multimedia technologies (hardware) in indoor         environment,M² [>700 m²] on floor plan of such project with the         application of multimedia/ digital technologies;         OR         For project with outdoor digital and multimedia technologies (hardware), the         application of multimedia/ digital technologies with aggregate area of        M² [>120 m²]				
Name of the Contractor of the Project	<ul> <li>Prospective Company of this EOI, OR</li> <li>Sub-contractor<sup>#</sup> of the Prospective Company (Please specify)</li> </ul>				
Name of Client and Contact Person:					
Year of project completion:					

Note

\* Delete as appropriate

"Tick" to select as appropriate

# The Prospective Company may submit project reference completed by other contractor for consideration to be a Qualifying Project Reference in this EOI exercise as long as such contractor shall be nominated to be the "Sub-contractor" of the Prospective Company for the relevant Core Competence if the Prospective Company is shortlisted and included in the Tenderer List of the project. The Employer reserve the rights not to further consider the tender if such "Sub-contractor" for the Core Competence is changed/replaced in the tendering stage.

• Please insert additional rows to the table if required

 Please also attach document evidence for the above project reference, i.e. project photos, project portfolio, reference letters, and/or relevant correspondence (e.g. Certificate of Practical Completion issued by the employer/contract administrator), etc.



# Annex IV – Screening Criteria (Cont'd)

# Part II – Concept Proposal

Write-up to demonstrate the Concept Proposal for <u>the main entrance lobby on G/F of AMC</u> (referring to the drawings in Annex IV(a)) as the starting point of the Digital Experience Journey shall be submitted for the assessment by the Assessment Panel.

The Assessment Criteria, Weighting of the Assessment and the Passing Mark are as follows:-

	Assessment Criteria	Max. Marks to be Allocated	Passing Mark
1	Identification of potential uses/ functions of the main entrance lobby in the Digital Experience Journey	20	
2	Identification of the constraints/ limitations at the main entrance lobby and the approach in the design to tackle such constraints/ limitations	15	
3	Proposed concept design of Digital Experience Journey in the main entrance lobby with:-	50	
	• The proposed installation of immersive wall(s);		
	• Apart from the allowed area of approx. 20 m x 12 m for immersive wall(s), proposal of other digital, multimedia systems and technologies that can be installed at other possible areas/ interfaces in the main entrance lobby and integrated with the immersive wall(s);		
	<ul> <li>Description / Sketches of the digital contents to be illustrated with the proposed immersive wall(s), digital &amp; multimedia systems and technologies to suit each of the uses/ functions mentioned in Criterion (1)</li> </ul>		
4.	Quality of presentation materials	15	
	Total Marks	100	50

The write-up shall be prepared in accordance with the format of the Proforma below. The Concept Proposal is limited to maximum 5 Nos. of A4 pages for the write-up together with maximum 3 Nos. of A3 pages of drawings/ sketches/ illustrations/ diagrams/ other visual aids to supplement the design and concept, if necessary. Physical block model, animations and videos <u>are not</u> required for the Concept Proposal in the EOI submission.



# Annex IV – Screening Criteria (Cont'd)

Part	II – Concept Proposal
1	Identification of potential uses/ functions of the main entrance lobby in the Digital Experience Journey (Max. 20 Marks)
	[List out the Potential Uses/ Functions]
	i) [Heading of Potential Uses/ Functions xxxxx] - [elaboration]
	ii) [Heading of Potential Uses/ Functions xxxxx] - [elaboration]
	[Please insert additional items and elaborate, if any]
2	Identification of the constraints/ limitations at the main entrance lobby and the approach in the design to tackle such constraints/ limitations (Max. 15 Marks)
	[List out the Constraints/ Limitations and Approach]
	i) [Heading of Constraints/ Limitations xxxxx] - [elaboration]
	[Approach to tackle] - [elaboration]
	ii) [Heading of Constraints/ Limitations xxxxx] - [elaboration]
	[Approach to tackle] - [elaboration]
	[Please insert additional items and elaborate, if any]
L	



# Annex IV – Screening Criteria (Cont'd)

Part	II – Concept Proposal
3	Proposed concept design of Digital Experience Journey in the main entrance lobby with:- (Max. 50 Marks)
	The proposed installation of immersive wall(s);
	<ul> <li>Apart from the allowed area of approx. 20 m x 12 m for immersive wall(s), proposal of other digital, multimedia systems and technologies that can be installed at other possible areas/ interfaces in the main entrance lobby and integrated with the immersive wall(s);</li> </ul>
	<ul> <li>Description / Sketches of the digital contents to be illustrated with the proposed immersive wall(s), digital &amp; multimedia systems and technologies to suit each of the uses/ functions mentioned in Criterion (1)</li> </ul>
	[Introduction of the Concept Design, Use of Immersive Wall, Other Technologies for consideration, effect of the DEJ, etc]
	[Elaboration with the aid of drawings/ sketches/ illustrations/ diagrams/ other visual aids as appropriate]
	[Description/ Sketches of the proposed digital contents to suit the proposed uses / function (one-by-one)]
4.	Quality of presentation materials (Max. 15 Marks)
	[No write-up is required. Marking is subject to the quality of submissions to be assessed by Assessment Panel.]

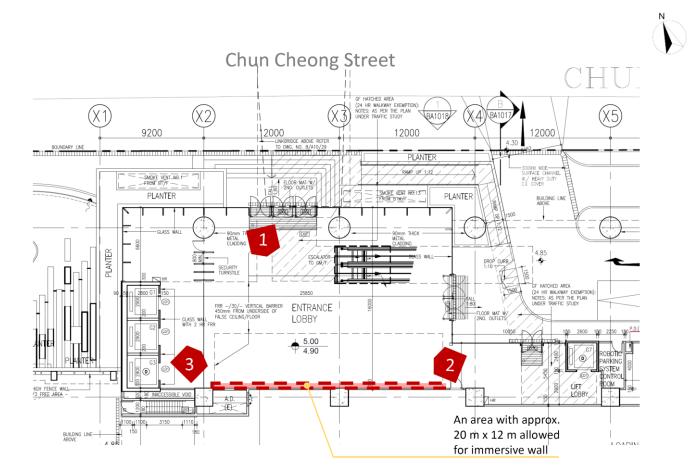
Authorized Signature with Company Chop :

Name of Prospective Company :

Date :



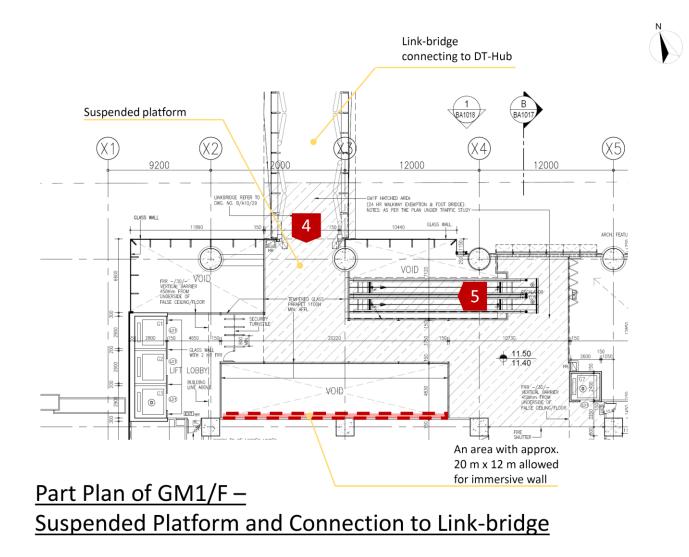
Annex IV(a) – Drawings with Baseline Interior Design of Main Entrance Lobby of AMC



<u>Part Plan of G/F –</u> <u>Main Entrance of Advanced Manufacturing Centre</u>

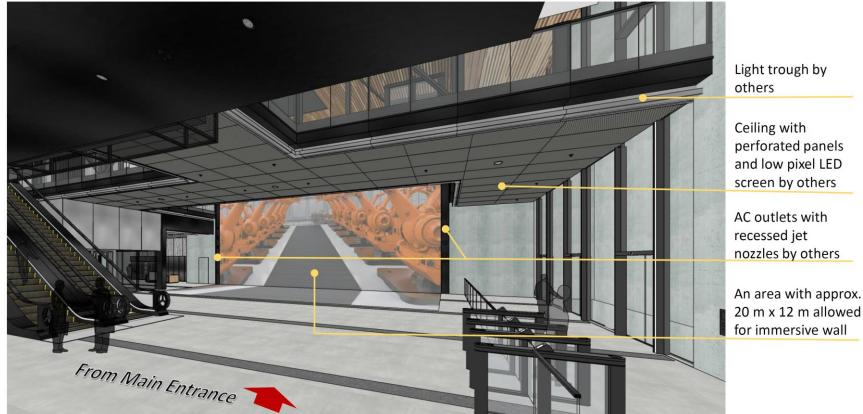


Annex IV(a) – Drawings with Baseline Interior Design of Main Entrance Lobby of AMC (Cont'd)





Annex IV(a) – Drawings with Baseline Interior Design of Main Entrance Lobby of AMC (Cont'd)



20 m x 12 m allowed



# View from Main Entrance - G/F



Annex IV(a) – Drawings with Baseline Interior Design of Main Entrance Lobby of AMC (Cont'd)





View within Main Entrance Lobby - G/F



Annex IV(a) – Drawings with Baseline Interior Design of Main Entrance Lobby of AMC (Cont'd)



3

View within Main Entrance Lobby - G/F



Annex IV(a) – Drawings with Baseline Interior Design of Main Entrance Lobby of AMC (Cont'd)

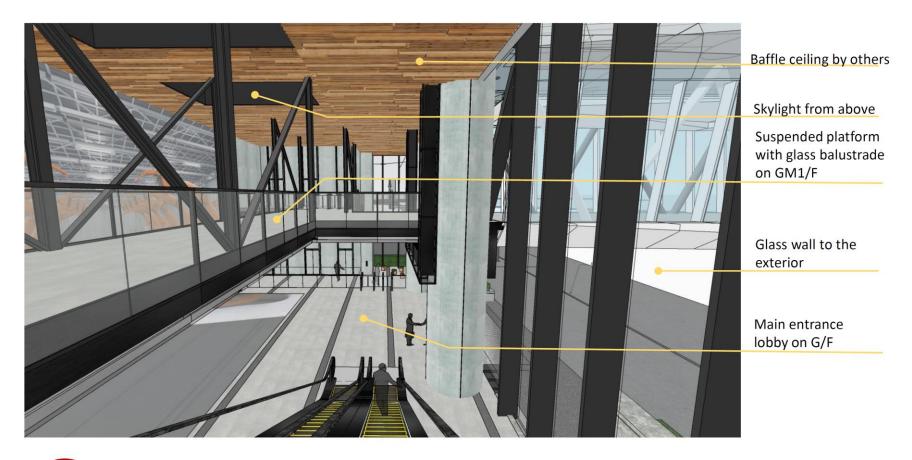




4



# Annex IV(a) – Drawings with Baseline Interior Design of Main Entrance Lobby of AMC (Cont'd)





# View from Escalator - GM/F



Annex V – Resource Availability - Current Project On-hand

Prospective Company's Name : \_\_\_\_\_

Date of Award	Project Name	Location	<u>Client</u>	<u>Main</u> Contractor	Project Size (Qty)	Contract Sum	<u>Approx.</u> <u>Completed</u> <u>Values</u>	Completion Date

Signed:

Date:

Person Authorized to sign contracts on the Prospective Company's behalf



# Annex VI – Screening Documents Return Checklist

Please submit the requested information as listed in the following checklist :-

Submission Status	<u>ltem</u> No.	<u>Documents</u>			
	(1)	Statement for EOI and the Proforma for Screening in Annex IV with:-			
		<ul> <li>Write-up for assessment criteria in both Part I and Part II in accordance with format of the Proforma (Max 5 pages);</li> </ul>			
		<ul> <li>ii). A3 pages of drawings/ sketches/ illustrations/ diagrams/ other visual aids to supplement the design and concept (Max. 3 pages);</li> </ul>			
		iii). Document evidence for the relevant experience			
	(2)	Additional information:-			
		i). Copy of business registration;			
		ii). Company organization chart and CV of key personnel;			
		<ul> <li>iii). Resource availability – current projects on hand – including the contract sums, the completion dates and the approximate completed values of each of these projects. (Please follow the attached summary completed with company chop, in <i>Annex V</i>);</li> </ul>			
		<ul> <li>iv). Indicative milestones and timeline for overall completion of project with individual durations for a) design development, b) procurement of technology solutions/systems, c) on-site installation, and d) T&amp;C and handover of works</li> </ul>			
		<ul> <li>v). Indicative list of key deliverables relevant to the milestones in a) design development and b) procurement of technology solutions</li> </ul>			
	(3)	Completed screening documents return checklist			

Authorized Signature with Company Chop :

Name of Prospective Company :

Date :



# Annex VII – Template to be Marked on the Returning Envelope

	RESTRICTED (TENDER)
To:	Chief Project Development Officer, Project Development Hong Kong Science and Technology Parks Corporation 5/F, Building 5E, 5 Science Park East Avenue, Hong Kong Science Park, N.T., Hong Kong
Re:	Invitation to Expression of Interest (EOI)
Title:	Design and Build Works of Digital Experience Journey for Development of IE 2.0 at Tseung Kwan O Industrial Estate (TKOIE), New Territories
Submitt	ed By:



