



## CALL FOR TENDER

|                                                        |                                                                                                                  |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Establishment of a Multi Party Framework Agreement for | The Supply, Delivery, Installation and Commissioning of a Creative Media Video Centre to the Cork College of FET |
| Procedure                                              | Open Procedure OJEU                                                                                              |
| eTenders CFT ID                                        | 8885240                                                                                                          |
| Issue Date                                             | Thursday 20 August 2026                                                                                          |
| Closing Date for Queries                               | 14 September 2026@ 15:00                                                                                         |
| Contact for Queries                                    | Questions and Answers facility on <a href="http://www.etenders.gov.ie">www.etenders.gov.ie</a>                   |
| Closing Date / Time for receipt of Tenders             | 21 September 2026@ 15:00                                                                                         |

Please note that information relating to this Call for Tender, including clarifications and changes, will be published on the Irish Government Procurement Opportunities Portal. [www.etenders.gov.ie](http://www.etenders.gov.ie) Registration is free of charge and there is no charge for documents.

Please note that the contracting Authority cannot accept responsibility for information relayed (or not relayed) via third parties.

The dates provided above are estimates at the time of issue of this Call for Tender. The Contracting Authority will endeavour to run the process to this timetable, but this cannot be guaranteed. The Contracting Authority reserves the right, in its sole discretion, to extend the timelines identified above by giving notice in writing via email to tenderers at any point. Without prejudice to the foregoing, the Contracting Authority reserves the right, in its sole discretion, to extend the closing date for receipt of tenders by giving notice via email to all parties who have expressed an interest in the competition

The Contracting Authority has provided a Tender Response Document as a separate document for tenderers to use in preparing their response to this tender. This document and format must be used.

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## 1 Disclaimer

This document issued herewith (“the Document”) is for information only and does not constitute, and shall not be interpreted as, an offer for sale, prospectus, or the basis of a contract.

Tenderers are recommended to read the documents thoroughly. While all reasonable steps have been taken to ensure that the information set out in the Document is accurate and up to date, no representation or warranty, express or implied, is or will be made or given in relation to the accuracy or the completeness of any information contained in the Document or otherwise provided by or on behalf of the Contracting Authority (in writing or otherwise) to any interested party or its advisers. No responsibility or liability for any loss or damage arising as a result of reliance on these documents, or for the information contained in these documents or for any omission is or will be accepted by the Contracting Authority or by any of its officers, employees, agents or professional advisers. No officer, employee, agent, or professional adviser of the company has any authority to give or make any representation or warranty, express or implied, in relation to such information. The Contracting Authority’s officers, employees, agents and professional advisers expressly disclaim any and all liability arising out of such documentation or information and any errors or omissions in or from the documents and information.

- In the context of this document, Contracting Authority refers to the Cork Education & Training Board.

The Contracting Authority does not bind itself to accept the lowest priced or any Tender.

This Invitation to Tender (henceforth ITT) does not constitute an offer or commitment to enter into a Framework or Contract.

No contractual rights in relation to the Contracting Authority will exist unless and until a formal written Framework Agreement has been executed by or on behalf of the Contracting Authority.

Any notification of preferred bidder status by the Contracting Authority shall not give rise to any enforceable rights by the Tenderer.

The Contracting Authority may cancel this Competition at any time prior to a formal written Contract being executed by or on behalf of the Contracting Authority.

The award of a Framework does not confer exclusivity on the successful Tenderer.

This ITT supersedes and replaces any and all previous documentation, communications and correspondence between the Contracting Authority and Tenderers, and Tenderers should place no reliance on such previous documentation and correspondence.

The Contracting Authority reserves the right to discontinue the procurement process at any time for any reason.

## 2 Summary

|                               |                                                                                                                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contracting Authority:</b> | <b>Cork Education &amp; Training Board</b>                                                                                                                                                                                             |
| <b>Nature of procurement:</b> | <b>The Supply, Delivery, Installation and Commissioning of a Creative Media Video Centre to the Cork College of FET</b>                                                                                                                |
| <b>Type:</b>                  | <b>Goods</b>                                                                                                                                                                                                                           |
| <b>Procedure:</b>             | Open Procedure                                                                                                                                                                                                                         |
| <b>Stage in procedure:</b>    | This is a single stage tender procedure whereby all interested parties may tender, but only those meeting the selection criteria (financial and technical capacity) will be deemed eligible for evaluation against the award criteria. |

### Note

Tender submission should be uploaded as a **Zip File** in order to protect the integrity of the file names.

## 3 About the Contracting Authority

### 3.1 The Contracting Authority

The Cork Education and Training Board (the “Contracting Authority”) is the authority responsible for this procurement.

Cork Education & Training Board (hereinafter referred to as Cork ETB) was established under the Education and Training Boards Act 2013 and is responsible and accountable for the proper direction and control of its functions in the Cork City and Cork County Councils’ local authority areas. The remit of Education and Training Boards, as statutory providers of education, is the provision of a comprehensive range of quality education programmes to meet the needs of the community we serve. These can include, Primary and Post Primary Education, Post Leaving Certificate Programmes, Further Education, Apprenticeships, Second Chance Learning, and Adult & Community Education.

Cork ETB is a statutory body in Cork with the responsibility of providing education and training across a broad range of services and is responsible for:

- 24 Post-Primary Schools & Colleges
- 3 Community National Schools
- 4 Community Special Schools
- 12 Youthreach Centres
- The Cork ETB School of Music
- Cork College of Further Education and Training:
  - o CCFET Bishopstown Campus (inc Westside Campus and Life Sciences Centre Carrigaline)
  - o CCFET Morrison's Island Campus (inc CCFET West Cork Campus Skibbereen, Youghal Campus and Macroom Centre)
  - o CCFET Douglas Street Campus
  - o CCFET Tramore Road Campus
  - o CCFET Mallow Campus
  - o CCFET Kinsale Campus
- Further Education and Training Centres across Cork City and County
- 12 Youthreach Centres

Tenderers should note that this is not an exhaustive list of education and training services and locations as both service provision and locations may change over time.

For more information on Cork ETB please go to <https://www.corketb.ie>

**Douglas Street Campus (DSC)** is a Further Education and Training (FET) college located in the heart of Cork City, Ireland, and operates under the auspices of Cork Education and Training Board (Cork ETB). The campus delivers a broad range of post-secondary vocational and pre-university programmes, serving a predominantly adult learner population.

DSC is committed to fostering an inclusive and diverse learning environment, welcoming learners from a wide range of backgrounds, including mature students, international learners, urban and rural communities, members of the LGBTQ+ community, and individuals from varied socio-economic backgrounds. The campus offers a number of programmes in the creative technologies sector, including Film and Television Production, Game Design, Animation, and Set Design.

At the core of DSC's ethos is a student-centred approach to education and training. The campus is dedicated to supporting learners in achieving their academic and professional ambitions, whether progressing to higher education or entering employment within their chosen industry.

For more information on Douglas Street Campus please go to <https://douglasstreetcampus.ie/>

### **3.2 Small and Medium Enterprise participation**

It is the policy of the Contracting Authority to promote participation by Small and Medium Enterprises (SMEs) on a fair and equal basis.

SMEs are encouraged to explore the possibilities of forming relationships with other SMEs or with larger enterprises to meet the financial, economic or technical capacity requirements of the competition, if required.

Tenderers may include individuals, partnerships, limited companies, groupings or any combination of the foregoing with or without legal personality. However, a grouping if successful will be required to establish legal personality to enter the framework agreement / contract.

Tenderers are reminded that they may rely on the resources of other entities to establish the requirements on condition that they can prove to the satisfaction of the Contracting Authority that they will have these resources at their disposal when necessary.

If the tender is from a consortium / joint venture, tenderers must ensure that all the relevant information is provided and where necessary, provide the information requested separately for each party. Relevant information relates to where a tenderer is relying on the resources to qualify (e.g. turnover, manpower, previous experience) and or to deliver contracts. The consortium must appoint a single point of contact who will assume overall responsibility for delivery, and who is authorised to sign the framework agreement / contract on behalf of all consortia members. The Contracting Authority will not act as an arbitrator between members of consortia.

## 4 Scope of the Framework Agreement

The Contracting Authority proposes to engage in a competitive process for the establishment of a multi-party framework agreement for **The Supply, Delivery, Installation and Commissioning of a Creative Media Video Centre to the Cork College of FET**

The Initial Contract is for **The Supply, Delivery and Installation of a Creative Media Video Centre to Cork College of FET - Douglas Street Campus, Sawmill Street, Cork. T12 DW32**

**Please note that any further purchases will be dependent on budget approval**

In the case of a multi-party framework agreement, contracts will be awarded in accordance with the process outlined herein.

Indeed, the Contracting Authority reserves the right to operate outside of the framework agreement at its discretion, particularly should it become apparent that doing so would offer greater value for money. Notwithstanding the foregoing, the framework agreement approach has been adopted to leverage efficiencies and maximise cost savings over the duration of the framework.

### 4.1 Numbers Admitted to the Framework Agreement

The framework agreement will be established as a multi-party framework agreement with a minimum of two (2) operators to a maximum of five (5) operators, subject to that number meeting the minimum criteria and rules.

### 4.2 Duration of the Framework Agreement

The framework agreement will be for a period of Four (4) years, the initial contract will be for a period of one (1) year, with the option to award up to three (3) additional one-year contract extensions over the lifetime of the framework. The Contracting Authority reserves the right at its sole discretion to extend the framework agreement, subject to satisfactory performance, business needs and budgetary constraints.

Should market conditions change, or alternative centralised procurement arrangements present better value for money opportunities, the framework agreements may be terminated with 3 months' notice.

It shall be the responsibility of the successful tenderer to fulfil the obligations under the contract, notwithstanding any changes in circulars, laws, regulations, taxation, duties or other factors which may arise

For the avoidance of doubt, the Contracting Authority confirms that the period of any contracts awarded under the framework agreement may extend beyond the date of expiry of the agreement.

### 4.3 Estimated Value of the Framework Agreement

The estimated total value of purchases pursuant to the framework agreement is in the region of €1,000,000 (ex. VAT) over the lifetime of the agreement. It is emphasised, however, that this figure is

provided strictly for indicative purposes only as there is no guaranteed expenditure under the framework agreement.

The indicative budget for the Initial Contract is €332,000 (ex. VAT) over the term of the contract.

**Tenderers must understand that this figure is an estimate only, subject to approval and budget.**

Should additional requirements arise during the lifetime of the contract, written quotations will be sought from the successful company to ensure Value for Money.

Funding is reliant on SOLAS budget allocations.

#### **4.4 Awarding Contracts under the Framework Agreement**

In the case of a multi-party framework agreement contracts will be awarded primarily using the cascade system (a), with mini-tenders (b) operating in limited circumstances:

- (a) Through application of the cascade system whereby contracts are awarded on foot of the original tenders to the first ranked firm admitted to the framework agreement. Where they are not in a position to deliver the contract due to availability, conflict of interest, etc. the next ranked firm will be approached moving in ranked order through the framework members until the contract is awarded.

Please note that under the cascade system, performance and quality of delivery will be a key feature, and the Contracting Authority reserves the right to apply the relegation process detailed in the Framework Terms and Conditions and relegate the first ranked member to the bottom position on the cascade list for poor performance.

**OR**

- (b) Through invitation to a mini-tender competition of all providers admitted to the framework agreement. On each occasion a Request for Tender will be issued detailing the scope of requirements, the award criteria and a closing date and time.

Mini-tender competitions will operate for the following types of contracts:

- Where there is significant change in the market in terms of pricing/range of products available.
- In the event that better value for money may be secured using the mini-tender competition process.
- The Contracting Authority has a requirement from time to time to handle end of life equipment. A mini-tender competition will be sought on such occasions and tenderers will be requested to outline their proposals for management of this equipment in the most sustainable and environmental way, including proposal for repurposing, refurbishing and selling on, or maximising the scrap value of equipment. It is acknowledged that some items are not suitable for alternative uses and the successful tenderers would be required to assist the school in disposing of these items.

Admission to the Framework Agreement will be conditional upon acceptance of the Contracting Authority's Framework Agreement as appended at Appendix 3A of this Call for Tender.

Tenderers are required to review these terms and conditions and indicate their acceptance thereof as part of their tender submission. Any reservation about these terms should be submitted as a query in accordance with the procedure described in Appendix 1 Section (b) of this document

## **4.5 Review of Performance**

Supplier performance will be continually monitored over the term of the framework agreement. The format will be agreed between the Contracting Authority and the framework member. Cost competitiveness, quality of service and turnaround time will be the main criteria for measuring performance.

The precise KPIs for performance monitoring will be agreed with the framework members. It is expected that the successful tenderer(s) will take a proactive role in monitoring performance with a view to making appropriate recommendations where necessary for continuous improvement.

## **4.6 Account Management**

### **4.6.1 Account Manager**

The Contracting Authority requires tenderers to nominate a dedicated account manager who will act as the main point of contact for the duration of the contract. This person shall have the authority to deal with all matters in relation to the contract and be responsible for the satisfactory delivery of the services required. The duties of the account manager will include the following:

- Overall responsibility for a good working relationship with the Contracting Authority;
- Provide regular reports on performance as agreed with the Contracting Authority;
- Meet as and when required to review the relationship and examine performance;
- Deal with disputes, complaints or concerns that cannot be adequately resolved;
- Regularly give and receive both formal and informal feedback on the relationship, workloads, processes, areas and suggestions for improvement and cost savings;
- Proactively discuss with the Contracting Authority ways of improving efficiency regarding service delivery in general.

**NOTE: Tenderers will note that account management activities will be non-billable (i.e. the Contracting Authority will not pay separately for account management activities). The Contracting Authority will nominate authorised staff to liaise with the successful Framework Members and delegate as required.**

### **4.6.2 Replacement Personnel**

Notification must be sent in writing as soon as possible to the Contracting Authority on any proposed change of nominated personnel, such change to be subject to the written approval of the Contracting Authority. Replacement personnel must be of equal or better standing than the personnel originally nominated in terms of qualifications and experience.

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#### **4.6.3 Invoicing**

Invoices shall be submitted by the successful tenderer on an order-by-order basis for all costs due under the contract in that order. All official invoices must quote a Contracting Authority purchase order number.

Schools/Centres will be issuing purchase orders on an individual site basis; therefore, multiple purchase orders may be received for delivery to multiple sites, and the successful tenderer will be responsible for managing delivery / invoicing on a site-by-site basis.

Invoices must match purchase orders – no phone/emails orders will be considered unless backed up by an appropriate purchase order.

All items required are as per the tender document, no local arrangements for changes to the items required will be accepted. Invoices can only be processed when corresponding signed delivery dockets have been received. Under no circumstance should invoices be submitted for goods not yet delivered.

The successful tenderer(s) should issue one invoice only for each order once all deliveries have been completed satisfactorily.

All official invoices must quote.

- Unique Invoice Number
- the Contracting Authority purchase order number
- TRN
- description of items
- delivery location

Invoices which do not quote the relevant order number(s) will be returned to the supplier for correction.

#### **4.6.4 Award to Runner Up**

If for any reason, it is not possible to admit to the framework agreement one or more of the tenderers invited following the conclusion of this competitive process, the Contracting Authority reserves the right to invite the next highest scoring tenderer(s) to join the framework agreement as appropriate, at any time during the tender validity period.

If it is not possible following the conclusion of the competitive process to award the initial contract to the designated successful tenderer; the Contracting Authority reserves the right to award the initial contract to the framework member with the next highest score on the basis of the original competition, at any time during the tender validity period.

In the event that, following the award of any contract under this framework agreement if the framework member cannot, for whatever reason, deliver the required services to the satisfaction of the Contracting Authority; the Contracting Authority reserves the right to award the contract to the next highest-ranked tenderer emerging from the process at any time during the contract tender validity period.

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#### **4.7 Right to Tender outside of the Framework**

The Contracting Authority intends to use the framework for the procurement of requirements falling within its scope during the specified period; however, it reserves the right to go outside the framework for the procurement of any requirement without reference to the framework members. Admission to a framework does not guarantee the award of any contract to any economic operator, nor does it give the members the right to be consulted in respect of, or tender for, any contract.

#### **4.8 Changes**

It shall be the responsibility of the tenderer (in the event of success) to fulfil the obligations under the Framework Agreement, notwithstanding any changes in circulars, laws, regulations, taxation, duties or any other factors which might arise eg geopolitical changes.

## 5 Specification of Requirements under Framework Agreement

A framework agreement will be established on foot of this tender competition for the supply of goods as listed in Appendix 2 Technical Specification.

### 5.1 Summary of Specification of Requirements

This competition relates to **The Supply, Delivery, Installation and Commissioning of a Creative Media Video Centre to the Cork College of FET** initially at Douglas Street Campus and other designated Cork ETB sites as required over the duration of the framework.

Acknowledging that there may be specialist elements within Lot 1, Cork ETB fully encourages SMEs to collaborate for the Lot.

All products proposed must comply with the specified standards (or equivalents) for all the products requested. Tenderers must complete the declarations of compliance contained in section 2 of the Tender Response document (Appendix 5). Cork ETB reserves the right to request test reports or certificates for products proposed any time prior to the establishment of the Framework Agreement. Tenderers are not required to provide copies of test reports or certificates as part of their tender response.

The Contracting Authority may cancel this Competition or for the avoidance of doubt, any individual Lot, at any time prior to a formal written Goods Contract being executed by or on behalf of the Contracting Authority.

Please note that if an initial requirement is specified in the below lot that the requirement must be fulfilled and will be paid for by 31/12/2026.

| Lot 1 Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Creative Media Video Centre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Maximum number to be admitted to the lot framework |
| Items listed are for the purpose of this tender and do not guarantee that all items will be purchased or that additional items may be required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                                                  |
| <p>This is a list of the requirements for the Creative Media Video Centre which may be required by our centres and schools for the lifetime of this framework. Cork ETB may over the lifetime of the framework require bespoke or customised items not included on the list. Tenderers should ensure that all items meet the required CE standards.</p> <p><b>Please note that the initial contract requirement for the Creative Media Video Centre will be for the Douglas Street Campus. Costs will include supply, delivery, installation, commissioning and any required training needed. Any subsequent drawdowns may occur under the framework but will be subject to budget and need.</b></p> <p><b>Please refer to Appendix 4 Pricing Document – Lot 1 Tab.</b></p> |                                                    |

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## **Initial Project Background and Objectives**

Douglas Street Campus (DSC) seeks to establish a turnkey, industry-standard Virtual Production LED Volume Stage that will enhance learner engagement with contemporary film, television, animation, gaming and virtual production workflows while strengthening collaboration with industry partners.

The proposed solution shall provide an integrated environment in which learners can develop practical skills in cinematography, lighting, production design, visual effects (VFX), real-time rendering, and virtual production technologies. The installation will support both educational delivery and commercial engagement by providing:

- **A professional Virtual Production Volume Stage facility** suitable for commercial film, television, broadcast, digital media, and content creation projects. The solution shall comprise a complete ecosystem of hardware, software, processing, rendering, tracking, lighting, editing, and virtual production technologies
- **Industry-standard, user-friendly equipment and workflows** that support both educational and professional use
- **Seamless integration of all system components**, enabling consistent and repeatable teaching, learning, and production scenarios.
- **Recognised industry-standard production pipelines and workflows**, ensuring learners gain experience in environments aligned with current industry practices.

## **Existing Infrastructure and Integration Requirements**

Douglas Street Campus currently operates a television studio and associated control room facilities. The proposed Virtual Production LED Volume Stage shall be installed within this existing studio environment and integrated with relevant existing systems and infrastructure.

Certain equipment and systems are already in place and are therefore excluded from the scope of supply. However, the proposed solution must be fully compatible with, and capable of integration with, the following existing assets:

- Unreal Engine 5, including **nDisplay** and **Switchboard**.
- Two (2) Blackmagic URSA Broadcast 4K cameras.
- Existing lighting fixtures, lighting rigging infrastructure, and lighting control systems.

## **Tender Requirements**

- Tenderers are **not required to provide pricing** for an LED ceiling or LED floor system.
- Tenderers shall clearly describe the proposed system architecture and explain the benefits and advantages of their proposed solution.
- All equipment, software, licences, services, and ancillary components shall be fully itemised within the submission.
- Tenderers shall demonstrate how the proposed solution integrates with the existing infrastructure identified above.
- A **mandatory site visit** is required as part of this tender process to enable tenderers to assess the installation environment and integration requirements accurately – provisionally set for the first week of September – please contact Catherine Murray ([Catherine.Murray@Corketb.ie](mailto:Catherine.Murray@Corketb.ie)) to organise this visit.

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## **Detailed Breakdown of Specification**

**Please see Appendix 2 for detailed Breakdown of Specification.**

Where reference is made in the technical specification to any particular make, source, origin, patent, process, trademark, brand name or standard, such reference shall on every occasion be understood as being accompanied by the words “or equivalent”. These references are provided only where it is not otherwise possible for a sufficiently precise description to be defined.

### **5.1.1 Application of Variants**

Where variant offers are acceptable under the terms of this tender competition, tenderers must note that they must comply with the minimum requirements laid down in the specification. The Contracting Authority is open to looking at alternative methods of delivery of the contract under the variant rule.

## **5.2 Volumes**

Volumes indicated are indicative requirements for the purposes of evaluation and do not provide a commitment to purchase these quantities.

## **5.3 Pricing**

All Tenderers must complete the **Pricing Schedule Document** (Appendix 4) to this CFT

Tenderers **MUST** quote for all items within a Lot. Please note that while pricing is required for all items on a Lot the purchase of all quantities is not guaranteed. **Where a price is omitted, Cork ETB will enter a price equal to the highest price quoted in order to enable Cork ETB to continue the evaluation process.**

Prior to formal conclusion of a framework, a tenderer will be asked to confirm that they can supply missing items. The reason for this approach is to ensure maximum participation in the framework.

Where large volumes of items (over 20%) in a particular framework agreement are not priced, Cork ETB reserves the right to deem the tender inadmissible without recourse to the process described in this section.

All prices quoted must be all-inclusive (i.e. including but not being limited to shipping, packaging, delivery, ancillary costs and all other costs/expenses), be expressed in Euro only and exclusive of VAT. The VAT rate(s) where applicable should be indicated separately.

Tenderers may from time to time and for the duration of the framework agreements be required to supply and deliver ad hoc or low value items or small quantities of equipment which may incur delivery charges, in this regard, Tenderers must propose delivery rates that cover fixed charges for these requirements for the duration of the framework. **Tenderers should note that the proposed charges will not be included in the calculation of ultimate cost.**

Tenderers must confirm that all prices quoted in the Tender will remain valid for twelve (12) months commencing from the Tender Deadline. Any price increase during the term of the contract will be subject to agreement with the Cork Education and Training Board, evidence based and linked to the Consumer Price Index or evidence by alternative objective price points. If price increase is not agreeable the Cork Education and Training Board reserve the right to go back to market.

Any currency variations occurring over the term of the Contract shall be borne by the Tenderer.

For all items in a Lot, a single product offering should be made. Multiple product offerings for individual items will not be considered. It should be noted that Cork ETB is interested in the best quality products for the best price, ensuring value for money.

#### **5.4 Quality of Products and Sustainability**

All equipment shall comply fully (where appropriate and relevant) with Irish and EU Safety Regulations and Standards (EN), both established and developing and including but not limited to the following:

- RoHS Directive (2011/65/EU)
- CE Markings Directive and Regulations
- Waste Electrical and Electronic Equipment Directive (2012/19/EU)
- EMC Directive (2014/30/EU) – electromagnetic compatibility
- Directive 94/62/EC: Packaging Regulations
- Low Voltage Directive (2014/35/EU)
- Regulation (EU) 2023/988
- Regulation (EU) 2023/826
- Directive (85/374/EEC)

Tenderers are required to make an active commitment to continually source and communicate to the Contracting Authority regarding the available supply of new, improved or alternative environmentally conscious products as they become commercially available.

The successful Tenderer must demonstrate a commitment to sourcing and supplying ethically manufactured products by providing proof of compliance with environmental and labour standards and providing a plan for continuous ethical improvement.

All equipment should be manufactured and finished in compliance with industry standards using sustainably sourced raw materials that will ensure high levels of durability consistent with its proposed use in a school environment.

#### **5.5 Warranties**

Tenderers must provide details of manufacturer's warranties in items of equipment being supplied.

Warranties must confirm that all the proposed equipment complies with Cork Education and Training Board requirements.

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- Tenderers are required to provide details of manufacturer's warranties in respect of all equipment items where warranties are required. Warranties must cover repair or replacement equipment.
  - Cork Education and Training Board will require a quick response time to reported issues of no more than 72 hours from once call is logged by the CETB's staff.
  - Tenderers will be required to clearly outline their escalation and dispute resolution procedures including resources to be made available and their procedures for the stocking of spare parts and provision of replacement parts with comparable quality and functionality.

## 5.6 Packing

In all cases the supplier is responsible for the unpacking of all items on site, Cork ETB will require the removal and environmentally friendly disposal of all packaging or waste materials (including pallets) from school sites **post-delivery and same day**. Cork ETB supports an environmentally friendly approach to the disposal of waste materials throughout the supply chain and in this regard, Tenderers should confirm their compliance with waste disposal regulations in Ireland (Waste Management Act, 1996) and the WEEE Directive 201/19/EU.

## 6 Evaluation Criteria

### 6.1 Selection Criteria

The Open Procedure OJEU is being used by the Contracting Authority for the award of this framework agreement. While all interested parties may submit a tender, only those demonstrating that they can comply with the required level of financial and technical competence will be eligible for full tender evaluation.

In order to demonstrate a tenderers' suitability, tenderers must respond to the information set out below by completing the separate Tender Response Document.

#### 6.1.1 General Information relating to the Tenderer

Please provide company name, address and contact details for individual responsible for this tender and company overview as well as information on sub-contractors and consortium members if applicable.

#### 6.1.2 Legal Compliance

Please complete the Declaration of Bona Fides as per Art. 57 of Directive 2014/24/EU as implemented by SI 284 of May 2016 included in the Tender Response Document. The declaration also covers compliance with relevant Statutory Obligations relating to labour law, employment law, etc.

#### 6.1.3 Financial Capacity

Please confirm that you meet the following financial requirements:

- (i) Confirmation that the tenderer / all parties associated with the tenderer are fully tax compliant in accordance with the rules of the Irish Revenue Commissioners.
- (ii) Tenderers must provide information on their turnover for the last three years
- (iii) Confirmation of the following insurances being in place and that if successful you agree to implement the following levels, promptly on award where these are not currently available.

| Insurance Type                        | Minimum Indemnity limit |
|---------------------------------------|-------------------------|
| <b>Employers Liability</b>            | <b>€13m</b>             |
| <b>Public Liability</b>               | <b>€6.5m</b>            |
| <b>Product Liability (goods only)</b> | <b>€6.5m</b>            |

By submitting a tender, Tenderers confirm that, (i) they will obtain and hold the types and levels of insurance as specified above, (ii) the territorial limits and jurisdiction of its insurance policies include Ireland and (iii) they are not aware of any exclusions, restrictions, conditions or warranties or, in the case of policies with an aggregate limit of indemnity, any outstanding claims, which could have a material adverse impact on the level of coverage specified above. A formal confirmation from the Tenderer's insurance company or broker to this effect will be requested from the successful Tenderer(s) prior to the award of (and shall be a condition of) any Contract.

The successful Tenderer will, during the term of the Framework, be required to:

- (a) immediately advise the Contracting Authority of any material change to its insured status;
- (b) produce proof of current premiums paid upon request;
- (c) produce valid certificates of insurance upon request

**NOTE:** Tenderers **must** be willing to provide evidence of the self-declared information within seven (7) calendar days of request, which will be made prior to any award decision. If the evidence required is not provided by the deadline date, then the tenderer in question will be eliminated. Furthermore, tenderers should note that the provision of inaccurate or misleading information in this declaration may lead to exclusion from participation in this and future tenders.

#### **6.1.4 Technical Capacity**

- (i) Previous Contracts – information demonstrating successful delivery of three (3) previous comparable contracts in the past three (3) years.
- (ii) Access to minimum levels of personnel and skills as detailed in addition to an organisation chart.
- (iii) Quality Assurance - Details of quality assurance policies and systems and whether 3rd party certified.
- (iv) Health & Safety - Details of health and safety policies and whether 3rd party certified.
- (v) Environmental – Details of environmental policies and systems in place and whether 3rd party certified.

#### **6.1.5 Status of European Single Procurement Document (ESPD)**

Under the 2014 Directives, suppliers may have compiled an ESPD which will be accepted as evidence of compliance with Section 6.1.2 (Legal) and Section 6.1.3 (Financial). However, the Contracting Authority requires evidence via completed Tender Response Document. Mere confirmation **will not** be sufficient under these headings.

**Tenderers are asked to demonstrate their legal, financial and technical capacity by responding to all the information requested above. In addition, Tenderers must ensure that they have completed and signed the Declaration of Bona Fides in the Tender Response Document. Failure to supply the required information may result in elimination from detailed tender evaluation.**

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Prior to the award of any framework agreement / contract, the Contracting Authority will request evidence of self-declared information prior to award decision. Failure to provide appropriate evidence within the required timeframe will result in the tenderer being deemed inadmissible for formal award.

## **6.2 Award Criteria**

Only tenders meeting the selection criteria and confirmed as valid and responsive to the specifications set out in this document will be evaluated against the award criteria. Tenderers should ensure that they have submitted sufficient relevant information to allow their tenders to be assessed under each of the award criteria set out below. Responses are required through completion of the Tender Response Document (Appendix 5).

The framework will be awarded on the basis of the most economically advantageous compliant tender taking into account the following award criteria and weightings.

| <u>Lot 1</u> - Creative Media Video Centre |               | Weighting | Maximum Score | Minimum Score Required |
|--------------------------------------------|---------------|-----------|---------------|------------------------|
| A                                          | Ultimate Cost | 30%       | 3,000         | n/a                    |

Tenderers are required to outline the cost of each item by completing and signing the attached Form of Tender in the Tender Response Document (Appendix 5) along with the relevant Pricing Schedule (**Appendix 4**).

- Prices must be quoted in Euro € (ex VAT)
- Pricing must include all costs associated with supply and delivery.
- Any optional items or additional charges must be clearly identified.

Note: *Please indicate zero cost if no additional charges.*

|   |                                                  |     |       |       |
|---|--------------------------------------------------|-----|-------|-------|
| B | Technical Merit and Quality of Proposed Solution | 30% | 3,000 | 1,500 |
|---|--------------------------------------------------|-----|-------|-------|

Marks will be awarded having regard to the quality, suitability, compatibility and technical performance of the proposed virtual production solution across all Lot 1 requirements.

Tenderers should demonstrate:

- Compliance with the equipment descriptions, quantities and functional requirements specified for Items 1 to 12.
- Suitability of the proposed solution for virtual production, cinematography, In-Camera Visual Effects (ICVFX), film production, television production, content creation and educational training environments.
- Quality, performance and suitability of the proposed LED volume system, including LED wall technology, image quality, pixel pitch, colour performance, brightness, refresh rate and camera suitability.
- Quality and capability of the proposed rendering infrastructure and virtual production control infrastructure.
- Performance and scalability of the proposed storage architecture, including NAS and workstation storage systems.
- Quality and performance of networking infrastructure including 25 Gigabit Ethernet connectivity and system integration.
- Quality, accuracy and reliability of the proposed camera and lens tracking solution.
- Quality and effectiveness of synchronisation, genlock, timecode, calibration and colour management systems.
- Compatibility and interoperability between all proposed hardware, software, storage, networking, rendering, tracking and display systems.
- Reliability, durability and suitability of all proposed equipment for continuous educational and professional use.
- Flexibility, expandability and future-proofing of the proposed virtual production environment.
- Quality and completeness of technical specifications, datasheets, supporting documentation and evidence submitted.
- Ability of the proposed solution to operate as a fully integrated, turnkey virtual production studio.

Higher marks will be awarded to proposals demonstrating a coherent, technically robust and industry-standard virtual production solution that clearly meets or exceeds the stated requirements.

| C | Delivery, Installation and Commissioning | 25% | 2,500 | 1,250 |
|---|------------------------------------------|-----|-------|-------|
|---|------------------------------------------|-----|-------|-------|

Tenderers will be awarded marks for the quality and credibility of their proposed approach to delivery, installation, configuration, integration, testing and commissioning.

Tenderers should provide a clear methodology covering:

- Delivery of all equipment, infrastructure and components to Douglas Street Campus.
- Assembly and installation of the LED volume, structural supports and associated rigging systems.
- Installation of rendering workstations, storage infrastructure and networking equipment.
- Installation and commissioning of camera tracking, synchronisation, calibration and control systems
- Installation and integration of power distribution equipment, cabling, connectors and connectivity infrastructure.
- Configuration of Unreal Engine environments, rendering systems, processors and associated software.
- Integration of all display, rendering, networking, storage, tracking, synchronisation and control systems.
- Cable management, labelling, testing and system documentation.
- Factory testing, site acceptance testing and commissioning procedures.
- Validation of system performance for virtual production and ICVFX workflows.
- Project planning, programme management, timelines, sequencing and resource allocation.
- Risk management, quality assurance and issue resolution procedures.
- Removal and environmentally responsible disposal of packaging and installation waste.
- Measures to minimise disruption to campus activities during installation.

Higher marks will be awarded where the proposed methodology is comprehensive, realistic, well-structured and demonstrates a clear understanding of professional virtual production installation requirements.

| D | Training, Support and Warranty | 10% | 1,000 | 500 |
|---|--------------------------------|-----|-------|-----|
|---|--------------------------------|-----|-------|-----|

Tenderers will be awarded marks for the quality of the proposed training, handover, support and warranty arrangements.

Tenderers should describe:

- On-site training for Cork ETB staff covering operation of the complete virtual production studio.
- Training on LED volume operation, Unreal Engine workflows, camera tracking and ICVFX production techniques.
- Training on system management, storage, networking, synchronisation and troubleshooting procedures.
- Training on the safe assembly, dismantling, reconfiguration and handling of LED wall structures and supporting equipment.
- Provision of user guides, manuals, system diagrams, configuration records and operating procedures.
- Handover processes demonstrating that all systems are fully operational.
- Warranty arrangements covering equipment, installation works, cabling and infrastructure.
- Technical support arrangements following commissioning.
- Response times for incidents, repairs, replacement equipment and remote support.
- Provision of the specified preventative maintenance visits and ongoing support services.
- Measures to ensure Cork ETB staff are confident in operating, maintaining and managing the virtual production environment.

Higher marks will be awarded to tenderers providing comprehensive training, robust support arrangements and strong warranty commitments directly relevant to the proposed solution.

|          |                                                        |           |            |            |
|----------|--------------------------------------------------------|-----------|------------|------------|
| <b>E</b> | <b>Environmental and Sustainability Considerations</b> | <b>5%</b> | <b>500</b> | <b>250</b> |
|----------|--------------------------------------------------------|-----------|------------|------------|

Tenders will be awarded marks for the environmental and sustainability aspects of the proposed solution.

Tenderers should provide details of:

- Energy efficient equipment, including LED technology, computing infrastructure and networking equipment.
- Measures to reduce power consumption and operational environmental impact.
- Product longevity, upgradeability and repairability.
- Waste minimisation and responsible disposal arrangements for packaging and end-of-life equipment.
- Environmental management systems and relevant certifications.
- Compliance with applicable EU environmental, waste management and WEEE legislation.

Higher marks will be awarded to tenderers demonstrating meaningful, measurable and credible environmental benefits that support the long-term sustainability of the virtual production studio.

**NOTE 1:** Tenderers should note that they must achieve a minimum rating of 50% for each of the individual qualitative criteria (B) to (D) in order to avoid elimination from the competition. Qualitative criteria will be scored using the following baseline scoring system:

|                      |                     |
|----------------------|---------------------|
| <b>90 – 100%</b>     | <b>Outstanding</b>  |
| <b>80 – 89%</b>      | <b>Excellent</b>    |
| <b>70 – 79%</b>      | <b>Very good</b>    |
| <b>60 – 69%</b>      | <b>Good</b>         |
| <b>50 – 59%</b>      | <b>Acceptable</b>   |
| <b>Less than 50%</b> | <b>Unacceptable</b> |

Marks between the base lines outlined above can be awarded where responses so merit additional marks.

**NOTE 2:** The lowest cost tender that also meets all of the minimum requirements of the qualitative award criteria will receive the maximum score achievable under this criterion. The scores of the other valid tenders will be calculated using the following formula:

|                                            |                                          |
|--------------------------------------------|------------------------------------------|
| <b>Maximum Points available for Cost</b>   | <b>A</b>                                 |
| <b>Lowest Cost from a Bona Fide Tender</b> | <b>B</b>                                 |
| <b>Cost for the tender being evaluated</b> | <b>C</b>                                 |
| <b>Formula employed</b>                    | <b><math>\frac{A \times B}{C}</math></b> |



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#### **6.2.4 Right to Confirm Suitability**

Tenderers should note that the Contracting Authority reserves the right to confirm that the financial and technical capacity of the tenderer is valid and unchanged prior to the establishment of the framework and award of any contract.

## APPENDIX 1 - INSTRUCTIONS TO TENDERERS

### (a) Submission of Tenders

The Contracting Authority is using the Tender Postbox facility and tenders must be submitted electronically via the etenders postbox facility on [www.etenders.gov.ie](http://www.etenders.gov.ie) only. Tenderers must ensure that they give sufficient time to upload their tender response.

The Contracting Authority is not responsible for corruption in electronic documents. Tenderers must ensure electronic documents are not corrupt.

In responding to this tender all tenders must follow the format of the tender document and respond to each element of the tender document in the order as set out in this RFT. Tenders should produce their response as a **SINGLE UPLOADED FILE, if possible, which is clearly labelled, page numbered and indexed.**

Tenders must be submitted via the 'electronic tenderbox' available on [www.etenders.gov.ie](http://www.etenders.gov.ie). Only Tenders submitted to the electronic tenderbox will be accepted. Tenders submitted by any other means (including but not limited to: by email, fax, post, hand delivery, etc.) will NOT be accepted.

Tenderers must ensure that they give themselves sufficient time to upload and submit all required tender documentation in their Tender before the Tender Deadline (as detailed below). Tenderers should take into account the fact that upload speeds vary.

Tenderers must note that in the electronic tenderbox, there is a current file size limit of 250MB for each single file uploaded, with a maximum total limit of 2GB for all documentation (combined) in the Tender submitted.

In order to submit a Tender to the electronic tenderbox, Tenderers must ensure that they follow the necessary steps on the eTenders platform to ensure that their tender has been submitted properly, which includes ensuring that the "Submit" button has been clicked. In the event that Tenderers need to modify or change any aspect of their Tender before the Tender Deadline, the Tender in its entirety will need to be re-submitted. Tenderers should be aware that the "Submit" button will be disabled automatically at the Tender Deadline.

Below we provide an overview of the key steps. Please note that the Cork Education and Training Board take no responsibility for these steps being the totality of the steps required as different processes may require different actions.

If in doubt, please ensure you contact the eTenders helpdesk as follows:

Email: [irish-eproc-helpdesk@eurodyn.com](mailto:irish-eproc-helpdesk@eurodyn.com)

Phone: +353-818001459

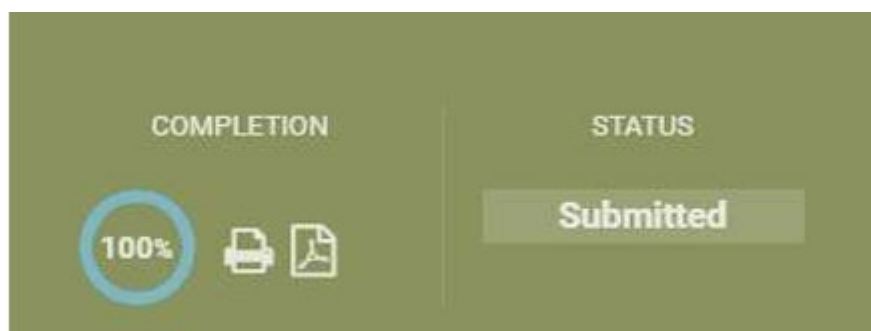
### Accessing documents

It is important to note that you must ensure you ASSOCIATE your company with this competition in the first instance. To do this you must do the following:

- (i.) Log-in to eTenders
- (ii.) Locate the competition using the Advanced Search by Contracting Authority or Resource ID
- (iii.) Click on the hyperlink for the competition which will bring you to the CFT Workspace
- (iv.) In the Show CFT Menu for the competition click on the “Expression of Interest” in the dropdown menu
- (v.) Complete the “Association with the CFT” tab.
- (vi.) This will then provide you with a link to “Tender” under the Show CFT Menu

### Submitting your Response

In responding to a competition without an electronic ESPD, a number of steps are required. The final step involves clicking on a Submit button and receiving the following status:



If you do not receive a message similar to above, you have not submitted your response.

Please note that the screen may say OFFLINE, this is a technical feature of eTenders and does not mean you cannot submit. Also please note you may see the percentage field also saying 100% before you submit, this still requires you to go through the submit button.

Please upload your response as a ZIP FILE to protect the integrity of the file names.

It is the responsibility of the Tenderer to ensure that their tender is complete and is uploaded in accordance with the instructions provided on eTenders prior to the deadline as per the front page.

### Use of AI Tools

Cork Education and Training Board is aware that Large Language Models and Generative Artificial Intelligence (collectively “AI Tools”) are being used extensively in the preparation of responses to tenders in both the public and private sectors. In responding to this Competition, Tenderers are required to declare in Tenderers Response Document (Appendix 5), if and where AI Tools have been used to draft, develop, inform or augment any part of their responses. While the use of AI Tools in responding to this Competition is not prohibited, it is necessary that Tenderers maintain control of and responsibility for their Response and that they confirm as much to the Contracting Authority.

**Tenderers not familiar with uploading on eTenders should ensure they familiarise themselves with the process.**

### **(b) Language**

Tenders may be submitted in English or Irish.

### **(c) Queries**

If you consider that you are missing any documents which would prevent you from submitting a comprehensive tender, please contact us as soon as possible.

Tenderers shall immediately notify the Contracting Authority should they become aware of any ambiguity, discrepancy, error or omission in the Tender Documents. The Contracting Authority will, upon receipt of such notification, issue a clarification via eTenders in respect of any such ambiguity, discrepancy, error or omission. Such clarification shall then form part of the Tender Documents.

All queries regarding this tender should be through the messaging facility on [www.etenders.gov.ie](http://www.etenders.gov.ie). The closing date for receipt of queries is specified on the title page unless otherwise published by the Contracting Authority. **For the avoidance of doubt, Tenderers may only contact the Contracting Authority directly regarding site visits and not for any other aspect of this Competition.**

Responses to queries will be issued via eTenders to all parties who have expressed an interest in the contract on that site, in order to ensure that no party has an unfair advantage over any other.

For the purpose of circulating responses queries will be edited to avoid disclosing the identity of the querist, and any sensitive information included in the query should be clearly indicated. Please note that the Contracting Authority cannot accept responsibility for information relayed (or not relayed) via third parties.

The Contracting Authority reserves the right to issue or seek written clarifications.

The Contracting Authority reserves the right at any time before the Tender Deadline, to update or amend the information contained in this document and/or to extend the Tender Deadline. Participating Tenderers will be informed of any such amendment or extension through the eTenders website.

Tenderers should ensure that they register their interest in this Competition, by clicking on the “Accept” button on [www.etenders.gov.ie](http://www.etenders.gov.ie), in order to receive all responses to queries and other updates in relation to this Competition.

### **(d) Sufficiency & Accuracy of Tender**

Tenderers will be deemed to have examined all the documents enclosed and by their own independent observations and enquiries will be held to have fully informed themselves as to the nature and extent of the requirements of the tender.

Tenderers are cautioned to check the accuracy of their tender prior to submission. A tender found containing any clerical errors or omissions may, at the sole discretion of the Contracting Authority, be

referred back to the tenderer for correction. Any subsequent adjustment(s) must be confirmed in writing.

The Contracting Authority reserves the right to disqualify incomplete tenders.

#### **(e) Qualification of Tenders and Referential Bids**

Please note that qualifications to a Tender may be considered a counteroffer and may render the tender invalid. Tenders made by reference to other tenders are not valid and cannot be considered.

#### **(f) Extension of Tender Period**

The Contracting Authority reserves the right, at its sole discretion, to extend the closing date for receipt of tenders by giving notice in writing to all parties who have expressed an interest in the notice via eTenders no later than six days before the original closing date.

#### **(g) Modifications to Tenders prior to the Closing Date for Receipt of Tenders**

Modifications to Tenders will be accepted in the form of supplementary information and/or addenda, provided they are submitted electronically via the etenders postbox facility on [www.etenders.gov.ie](http://www.etenders.gov.ie) only before the closing date for receipt of tenders and clearly marked as part of the tender. Any modifications received, by whatever means, after the closing time for receipt of tenders will not be considered.

#### **(h) Cost of Preparation of Tender**

The Contracting Authority will not be liable for any costs, charges or expenses incurred by tenderers in the preparation of proposals or any associated efforts. It is the responsibility of the tenderer to ensure that they are fully aware and understand the requirements as laid down in this document. Tenderers will be responsible for any costs incurred by them in the event that they are required to attend clarification or other meetings or make a presentation of their proposals.

#### **(i) Tender Validity Period**

To allow sufficient time for Tender assessment a Tender Validity period of **12 months** is required, this period commencing on the closing date by which the Tenders are to be returned.

#### **(j) Currency and Payments**

The currency and invoices in which all prices and rates shall be tendered, and which payments under the contract will be paid, shall be Euros (€). All prices and rates quoted should be exclusive of VAT.

A schedule of payments will be agreed with the successful tenderer. The Contracting Authority operates in accordance with the European Communities (Late Payment in Commercial Transactions) Regulations 2012. The method of payment used by the Contracting Authority is normally Electronic Funds Transfer.

**Note:** The Contracting Authority will be rolling out e-invoicing during the term of the contract / framework and tenderers may be required to issue their invoices to the sector in an E-invoice format that is compliant with the PEPPOL directive.

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**(k) Conflict of Interest**

It will be a condition of award of this contract and any subsequent contract that the successful tenderer(s) that any conflict of interest involving a tenderer (or tenderers in the event of a consortium bid) must be fully disclosed to the Contracting Authority. Any registrable interest involving the tenderer or subcontractor and the Contracting Authority or employees of the Contracting Authority or their relatives must be fully disclosed in the tender submission or should be communicated to the Contracting Authority immediately upon such information becoming known to the tenderer. The terms 'registrable interest' and 'relative' shall be interpreted as per Section 2 of the Ethics in Public Office Act, 1995 and 2001. Failure to disclose a conflict of interest may at the absolute discretion of the Contracting Authority disqualify a tenderer or invalidate an award of contract, depending on when the conflict of interest comes to light.

**(l) Freedom of Information Acts**

All responses to this call for tender will be treated in confidence and no information contained therein will be communicated to any third party without the written permission of the tenderer except insofar as is specifically required for the consideration and evaluation of the response or as may be required under law, including the Freedom of Information Act 2014 and the European Communities (Access to Information on the Environment) Regulations 2007 to 2014, EU and Irish Government Procurement Procedures, or in response to questions, debates or other parliamentary procedures in or of the Oireachtas (the Irish Parliament).

Tenderers are asked to consider if any of the information supplied by them in response to this request for tenders should not be disclosed because of its confidentiality or commercial sensitivity. If this is the case, tenderers should specify the information that is sensitive and the reasons for its sensitivity. The Contracting Authority cannot guarantee that any information provided by tenderers, either in response to this tender or in the course of any contract awarded as a result thereof, will not be released pursuant to the Contracting Authority's obligations under law, including the Freedom of Information Act 2014 and the European Communities (Access to Information on the Environment) Regulations 2007 to 2014, EU and Irish Government Procurement Procedures. The Contracting Authority accepts no liability whatsoever in respect of any information provided which is subsequently released (irrespective of notification) or in respect of any consequential damage suffered as a result of such disclosure.

**(m) Tax Clearance**

It will be a condition of award of this framework and any subsequent contract that the successful tenderer(s) comply with all EU and national tax laws. Tenderers are referred to the Irish Revenue web site <http://www.revenue.ie/>. Non-resident tenderers should apply to the Office of the Revenue Commissioners, Non Resident Tax Clearance Unit, Office of the Collector General, Sarsfield House, Francis Street, Limerick, Ireland; e-mail: [nonrestaxclearance@revenue.ie](mailto:nonrestaxclearance@revenue.ie). the Contracting Authority will satisfy themselves that any tenderers being considered for award of a framework are appropriately tax compliant by checking their status via the online system for which tenderers are requested to provide their Tax Clearance Access Number and Tax Reference Number to facilitate verification. By supplying these numbers tenderers acknowledge and agree that the Contracting Authority has the permission to verify its tax cleared position at any time during the term of the framework agreement.

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**(n) Withholding Tax**

Where applicable, payments shall be subject to Irish 'Professional Services Withholding Tax' at the prevailing rate (currently at 20%) as laid down by the Revenue Commissioners in Ireland in accordance with section 523 of the Taxes Consolidation Act 1997. Any and all taxes applicable to the supply of the subject of this competition will be the sole responsibility of the Contractor and the Contractor so acknowledges and confirms.

**(o) Irish Legislation and Law**

Tenderers should be aware that national legislation applies in other matters including, employment and health and safety matters and includes, but is not limited to, the Employment Equality Acts 1998-2015, National Minimum Wages Act 2000 (as amended), Safety, Health and Welfare at Work Act 2005 (as amended), Data Protection Act 2018 and Official Secrets Act 1963 (as amended). Tenderers must have regard to statutory terms relating to minimum pay and to legally binding industrial or sectoral agreements in the Contracting Authority tenders and in delivering contracts awarded to them. The contract[s] awarded on foot of this tender process will be governed by and construed in accordance with Irish law.

**(p) Dignity at Work**

The successful tenderer(s) shall comply with all relevant legislation relating to dignity at work. As a public body and employer, the Contracting Authority is committed to a policy of equality of opportunity for all personnel.

**(q) Clarification of Tenders**

The Contracting Authority is entitled, but not obliged, to seek clarification of tenders, including pricing breakdowns in the course of the evaluation process. No change in the price or substance of the Tender shall be sought, offered or permitted. To assist in finalising the tender evaluation, selected tenderers may be invited to attend clarification meetings with the Contracting Authority.

**(r) Correction of Errors**

Detailed pricing of all tenders will be examined for errors that might alter the tender pricing as determined from the figures on the tender form or as between the hard copy and electronic versions of the tender. In general, the following approach will be applied to manifest errors - where there is a discrepancy between the unit price and the total amount derived from the multiplication of the unit price and the quantity, the unit price as quoted will normally govern.

The amount stated in the tender form will be adjusted by the Contracting Authority in accordance with the above procedure and, with the agreement of the tenderer, shall be considered as binding upon the tenderer. Without prejudice to the above, a tenderer not accepting the correction of their tender as outlined may have their tender rejected.

**(s) Change in the Composition of a Tender**

The Contracting Authority reserves the right, but is not obliged, to disqualify any Tenderer that makes any change to its composition after submission of a Tender.

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**(t) Interference and Inducement to Purchase**

Any effort by the tenderer to unduly influence the Contracting Authority, relevant agency personnel or any other relevant persons or bodies in the process of examination, clarification, evaluation and comparison of tenders and in decisions concerning the Award of Contract shall have their tender rejected. The presumptions (including as to any gift, consideration or advantage) and other provisions under the Criminal Justice Act 2018, and all other measures for the time being governing the subject-matter in any applicable jurisdiction, shall be applicable.

**(u) Notification of Tender Evaluations**

All tenderers will be informed of the outcome of their proposals following tender evaluation and any necessary clarifications.

In circumstances where the European Communities (Public Authorities' Contracts) (Review Procedures) Regulations 2010 (Statutory Instrument 130 of 2010), as amended by the European Communities (Public Authorities' Contracts) (Review Procedures) (Amendment) Regulations 2015 (Statutory Instrument 192 of 2015) and the European Communities (Public Authorities' Contracts) (Review Procedures) (Amendment) Regulation 2017 (Statutory Instrument 327 of 2017) apply, no contract can or will be executed or take effect until at least fourteen (14) calendar days after the day on which the Tenderers have been sent a notice informing them of the result of this Competition ("Standstill Period") if such notice is sent by electronic means. The Standstill Period shall be sixteen (16) calendar days if such notice is sent by other means. The preferred bidder will be notified of the decision of the Contracting Authority and of the expiry date of the Standstill Period.

Tenderers should note that the Contracting Authority may, when notifying Tenderers of the results of this Competition, include the scores obtained by the Tenderer concerned and the scores obtained by the preferred bidder in respect of each award criterion assessed by the Contracting Authority.

**(v) Award Notices**

Following the formal conclusion of the framework agreement, an award notice will be despatched to tenders announcing the results of the competition.

**(w) Policy on Personal Debriefings**

Based on the provision of the information to unsuccessful tenderers as outlined above and due to resourcing constraints, the Contracting Authority will not be offering individual debriefing meetings to unsuccessful bidders.

**(x) Copyright**

The Contracting Authority will have copyright ownership of any material developed for use by the Contracting Authority under the terms of this tender. The service provider may have a non-exclusive licence to use such material but only for its own purposes (to be agreed with the successful tenderer)

**(y) Brand Names, etc.**

Please note in relation to this tender document; where reference is made to a particular make, source, process, trademark, type or patent, that this is not to be regarded as a de facto requirement. In all such cases it should be understood that the reference in question is accompanied by the words "or equivalent".

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**(z) Payment**

A schedule of payments will be agreed with the successful tenderer. The Contracting Authority operates in accordance with S.I. 580 of 2012 which transposes EU Directive 2011/7/EU on combating Late Payment in commercial Transactions. The method of payment used by the Contracting Authority is normally Electronic Funds Transfer

**(aa) Right Not to Award**

The Contracting Authority does not bind itself to accept the most economically advantageous tender or any tender. It also reserves the right to accept or reject in whole or in part any or all tenders received, and to source the requirement with more than one service provider.

The call to tender is issued in good faith; however, the Contracting Authority at its sole discretion shall not be obliged to award a contract or proceed to further stages in the procurement process and reserves the right to cancel the procurement process.

**(bb) Environmental Aspects**

The Contracting Authority is committed to the principles of environmental management in its activities and it encourages the implementation of sustainability principles in its procurement practices. Tenderers/contractors should make all reasonable efforts to minimise adverse environmental impact in the methods of services delivery and in materials used.

**(cc) Accessibility**

In line with the Disability Act 2005, accessibility requirements should be clearly stated in request for tenders / quotations where applicable. Under Section 27 of the Act the Contracting Authority is required to ensure that both the goods supplied, and services provided to it are accessible to persons with disabilities.

**(dd) Knowledge and Skills Transfer**

It will be a condition of the contract that opportunities for the transfer of skills and/or knowledge from the Tender/Tender's staff to the Contracting Authority staff will be availed of during the course of the contract or prior to the handing over of the finished work/product.

**(ee) Collusive Tendering**

If any Tendering Party is found to have, at any time, offered to give or to have agreed to offer or give to any person, any bribe, gift, gratuity, commission or consideration of any kind as an inducement or reward for taking or forbearing to take any action in relation to the obtaining of its Tenders, or for showing or forbearing to show any favour or disfavour to any person in relation to its Tenders, the bid submitted by such Tendering Part shall be automatically disqualified and the circumstances surrounding such action shall be referred to the appropriate authority.

**(ff) Confidentiality**

After the official opening of Tenders, information relating to the examination, clarification, evaluation and comparison of Tenders and recommendations will not be disclosed to tenderers or other persons not officially concerned with such process until the award decision with the successful Tenderer has been announced and in conformity with national laws.

Tenderers shall treat the details of all documents supplied to them in connection with this contract as private and confidential and shall not disclose the contents to a third party without the permission of the Contracting Authority.

Any effort by the Tenderer to influence the Contracting Authority or their staff in the process of examination, clarification, evaluation and comparison of Tenders and in decisions concerning the award of the contract may result in the rejection of that Tender.

**(gg) Consortia and Prime Subcontractors**

The Contracting Authority seeks to encourage participation on a fair and equal basis by Small and Medium Enterprises (“SMEs”) in this Competition. SMEs that believe the scope of this Competition is beyond their technical or business capacity are encouraged, subject to this paragraph, to explore the possibilities of forming relationships with other SMEs or with larger enterprises. Through such relationships they can participate and contribute to the successful implementation of any Services Contracts that may result from this Competition and therefore increase their social and economic benefits.

Larger enterprises are also encouraged, subject to this paragraph, to consider the practical ways that SMEs can be included in their proposals to maximise the social and economic benefits of any Services Contracts that may result from this Competition.

Where a group of undertakings (in whatever form and regardless of the legal relationship between them) come together to submit a Tender in response to this RFT the Contracting Authority will deal with all matters relating to this Competition through the entity who will carry overall responsibility for the performance of the Services Contract only (the “Prime Contractor”), irrespective of whether or not tasks are to be performed by a subcontractor or other consortium member (the “Subcontractor”). The Tenderer must clearly and comprehensively set out the name, title, telephone number, postal address and email address of the nominated contact personnel of the Prime Contractor authorised to represent the Tenderer and to whom all communications shall be directed and accepted until this Competition has been completed or terminated. Correspondence from any other person (including from any Subcontractor) will NOT be accepted, acknowledged or responded to.

**(hh) Anti-Competitive Conduct**

Tenderers attention is drawn to the Competition Act 2002 (as amended, the “2002 Act”) which makes it a criminal offence for Tenderers to collude on prices or terms in a public procurement competition.

**(ii) Changes in Legislation**

As a condition of award, it shall be the sole responsibility of the tenderer (in the event of success in this competition) to fulfil the obligations under the Contract, notwithstanding any changes in circulars, laws, regulations, taxation, duties or other factors which might arise following the withdrawal of the United Kingdom from membership of the EU.

**(jj) Data Protection**

“Data Protection Laws” means all applicable national and EU data protection laws, regulations and guidelines including but not limited to the Irish Data Protection Acts 1988 to 2018, the General Data Protection Regulation (EU) 2016/679 on the protection of natural persons with regard to the

processing of personal data and on the free movement of such data, and any other applicable law or regulation relating to the processing of personal data and to privacy, including the E-Privacy Directive and European Communities (Electronic Communications Networks and Services) (Privacy and Electronic Communications) Regulations 2011, as such legislation may be supplemented, amended, revised or replaced from time to time.

The Contracting Authority will be a Data Controller (where Data Controller has the meaning given under the Data Protection Laws) in respect of any Personal Data (where Personal Data has the meaning given under the Data Protection Laws) required to be provided by the tenderer in response to this call for tenders.

The tenderer, as Data Controller in respect of any Personal Data provided by it in its tender, is required to confirm in its tender that all Data Subjects (where Data Subject has the meaning given under the Data Protection Laws) whose Personal Data is provided by the tenderer have consented to the processing of such Personal Data by the tenderer, the Contracting Authority, the evaluation team and the supplier of the etenders.gov.ie website, for the purposes of the participation of the tenderer in this competition or that the tenderer otherwise has a legal basis for providing such Personal Data to the Contracting Authority for the purposes of its participation in this competition. The tenderer shall comply with all of its obligations under the Data Protection Laws.

#### **(kk) Transfer of Undertaking and Protection of Employees (TUPE)**

Tenderers shall take sole responsibility and undertake to comply fully with the provisions of Council Directive 2001/23/EC of 12 March 2001 on the approximation of the laws of the member states relating to the safeguarding of employees' rights in the event of transfers of undertakings, business or parts of undertakings or business and as implemented in Irish law by Statutory Instrument S.I. No. 131 of 2003 European Communities (Protection of Employees on Transfer of Undertakings) Regulations 2003 (TUPE Regulations) and to indemnify the Contracting Authority for any claim arising or loss or costs incurred as a result of its failure or incapacity to fulfil its obligations under the TUPE Regulations.

## APPENDIX 2 – TECHNICAL SPECIFICATIONS – LOT 1

### Lot 1 - Creative Media Video Centre

The successful tenderer shall be responsible for the complete integration, testing, optimisation and commissioning of all equipment supplied under this contract and shall deliver a fully operational Virtual Production Studio ready for teaching, training and professional production activities.

Unless otherwise stated, all supplied hardware shall include a minimum three-year manufacturer warranty covering parts and labour.

The successful tenderer shall demonstrate interoperability between all supplied components and provide evidence that the integrated solution operates as a complete virtual production system prior to final acceptance.

| Item No.      | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quantity |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Item 1</b> | <b><u>Professional Virtual Production LED Volume</u></b> - Supply, install, commission and integrate a professional virtual production LED Volume wall suitable for film, television, broadcast, commercial production and educational environments. The system shall be appropriate for regular commercial hire and professional studio operation. The solution shall comprise a <b>single LED wall with a maximum overall size of 5m (W) × 3m (H)</b> (approximately 15m <sup>2</sup> ) and a <b>pixel pitch not exceeding 1.6mm</b> . The system shall provide high-resolution, camera-ready imagery suitable for Unreal Engine workflows, in-camera visual effects (ICVFX), cinematography training and professional virtual production applications. | <b>1</b> |

#### **Main LED Wall Requirements**

The LED wall shall:

- Utilise **flip-chip LED technology or demonstrably equivalent technology** designed or proven suitable for in-camera virtual production.
- Incorporate a high-contrast, low-reflection LED package with accurate colour reproduction, stable black levels and high pixel uniformity.
- Provide a **minimum refresh rate of 7,680Hz**.
- Provide **minimum 16-bit greyscale processing** and a **scan ratio of 1/10 or better**.
- Provide a **minimum 140° horizontal and vertical viewing angle**.
- Be engineered to minimise reflections, moiré, scan artefacts, flicker and other camera-visible image defects.
- Support professional colour management, calibration, **genlock** and **timecode synchronisation** through the specified LED processing system.

#### **Construction and Serviceability**

The installation shall include a robust support structure designed for continuous professional use, including:

- LED panel mounting system and rigging.
- Counterweight and structural support components as required.
- Safe access for maintenance and module replacement.
- Provision of critical spare LED modules and replacement components.
- Manufacturer or integrator support arrangements to minimise operational downtime.

### System Integration and Installation

The tendered price shall include all equipment, materials, labour and services necessary to provide a fully operational virtual production LED Volume, including:

- LED modules/panels.
- LED receiver cards, control electronics and associated processing hardware.
- Support structures, rigging and mounting systems.
- Electrical distribution hardware and power infrastructure suitable for a **2-phase 16A supply**.
- Power, video, networking, synchronisation and control cabling.
- Connectors, patch panels and cable management systems.
- Installation, commissioning, alignment and professional calibration.
- Safety fixings, accessories and all associated integration works.

The supplier shall connect and integrate the LED wall with all associated virtual production equipment, ensuring the complete system functions as a single, fully integrated solution.

### Performance Verification and Acceptance

The successful supplier shall demonstrate the proposed system using professional cinema or broadcast cameras at representative frame rates, shutter angles and camera-to-wall distances. The system shall demonstrate acceptable performance without objectionable flicker, scan lines, colour instability, moiré, excessive reflections or other camera-visible artefacts.

Final acceptance shall be based on:

1. Compliance with the stated technical specification; and
2. Successful demonstration of real-world virtual production camera performance.

### Product Consistency

All LED modules and panels shall be supplied from a **single manufacturer and product range**, ensuring consistent LED technology, optical characteristics, colour performance and calibration across the entire wall. Tenderers shall identify the availability and expected support period for replacement modules and other critical spare components.

Item 1 shall be responsible for the LED wall structure, LED panels, receiver cards integrated within the LED system, mounting systems, power distribution associated with the LED wall and all manufacturer-specific calibration required for operation of the LED display.

| Item No.      | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quantity |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Item 2</b> | <b>Professional LED Processing System</b> - Supply, install and commission a professional LED processing system designed for broadcast, live production and virtual-production environments. The system shall provide performance equivalent or superior to established high-end virtual-production LED processing platforms and shall support the full native resolution, refresh rate, colour depth and pixel capacity of the specified LED wall without degradation of image quality or frame rate. | <b>1</b> |

### Minimum Technical Requirements

The LED processor shall provide:

- Minimum **10-bit processing**.
- Support operation of the proposed LED wall at its full specified refresh rate and performance.
- **Low, deterministic processing latency** suitable for in-camera virtual production.
- **Frame synchronisation and external genlock**.
- Accurate frame-rate and timing management for professional cinema and broadcast camera workflows.

### Processing and Control

The system shall support:

- Independent canvas/output configuration, scaling and pixel mapping.
- Configuration, monitoring and management of individual or combined LED display canvases.
- Per-panel and per-module calibration.
- Colour uniformity, brightness and gamma management.
- Accurate reproduction of camera-facing LED content.
- Camera-tracking integration and advanced virtual-production workflows.
- Region-of-interest processing, output remapping and real-time image manipulation.

### Integration and Capacity

The proposed system shall provide sufficient processing capacity, bandwidth and outputs to support the complete specified LED installation, including provision for future expansion.

The tendered solution shall include all:

- Processor units.
- Input/output and receiving interfaces.
- Software licences and configuration tools.
- Required power, signal and network cabling.
- Installation, configuration, commissioning and integration services.

The system shall be fully integrated with the specified LED displays, receiver cards, virtual-production workstations, genlock/timecode infrastructure and production network.

### Documentation

Tenderers shall provide evidence of:

- Maximum pixel capacity.
- Processing bandwidth and performance.
- Input/output capabilities.
- Processing latency.
- Supported refresh rates.
- Colour depth and calibration capabilities.
- Genlock and synchronisation functionality.
- Virtual-production specific features.

Consumer, presentation, digital signage or general-purpose video processors shall not be considered equivalent.

Item 2 shall be responsible for all LED processing equipment, video processing, control software, calibration software and display management systems required to operate the LED wall. Permanent network infrastructure shall be supplied under Item 7.

| Item No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quantity |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Item 3   | <b><u>Virtual Production Content Library</u></b> - The supplier shall provide a <b>professionally curated starter library of virtual-production content</b> suitable for teaching, demonstration, testing and commercial production use on the specified LED wall. The library shall include a representative range of <b>interior, exterior, architectural, urban, natural, atmospheric and driving environments</b> , supplied as appropriate in <b>high-resolution image sequences, video plates and/or Unreal Engine-compatible assets</b> . | 1        |

All content shall:

- Be compatible with the specified LED wall, LED processing system and Unreal Engine/nDisplay workflows.
- Include documentation detailing resolution, frame rate, colour space, aspect ratio and recommended playback method.
- Be tested for professional camera use and minimise flicker, moiré, colour instability, motion artefacts and other camera-visible defects.
- Include licences permitting **educational use, demonstrations, internal productions and commercial productions/hire** without additional licence fees for those uses.

The supplier shall install and configure the content library, provide basic operational training, and ensure the system supports the future addition of appropriately licensed content.

Item 3 shall be responsible solely for the provision, installation and licensing of content and associated training relating to content management and playback.

| Item No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quantity |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Item 4   | <b>Main Rendering and Control Computer Workstations</b> - Supply, install, configure and commission <b>two identical high-performance professional rendering and control workstations</b> , fully interchangeable and optimised for <b>Unreal Engine 5 virtual production workflows</b> , including nDisplay, Switchboard cluster management, real-time rendering, previs, high-end video editing, offline rendering and synchronised multi-display operation. The systems shall be capable of controlling the specified LED Volume and supporting professional virtual production, visualisation and broadcast workflows. | 2        |

### Minimum Technical Requirements

Each workstation shall incorporate:

- Current-generation professional multi-core CPU.
- **Minimum 256GB ECC RAM.**
- **Minimum 4TB high-performance NVMe storage.**
- Professional workstation-class GPU with:
  - **Minimum 96GB ECC GDDR7 dedicated memory.**
  - **Minimum 512-bit memory interface.**
  - **Minimum 1,700GB/s memory bandwidth.**
  - **Minimum 24,000 parallel-processing cores.**
  - Dedicated hardware ray tracing and AI acceleration.
  - **Minimum 120 TFLOPS FP32 performance.**
- Full-performance workstation GPU suitable for sustained professional real-time rendering workloads, not a reduced-power or mobile variant.
- Professional/enterprise graphics drivers.
- PCIe Gen 5 x16 or equivalent high-bandwidth GPU connectivity.
- Dedicated hardware H.264, HEVC and AV1 encoding/decoding, including 4:2:2 processing support.
- **Minimum 25GbE network connectivity.**
- Support for genlock, timecode and integration with the specified LED processing, camera-tracking, Unreal Engine/nDisplay and virtual-production network infrastructure.

### System Requirements

- Both workstations shall be **identical in specification and fully interchangeable**, with either system capable of assuming the primary rendering role without reduction in performance.
- Systems shall be supplied fully assembled, tested and commissioned, including appropriate cooling for continuous professional operation.
- Warranty and support suitable for professional virtual production environments shall be included.

### Alternative Architectures

Alternative professional CPU and GPU architectures may be proposed where tenderers demonstrate **equal or superior performance** against all specified requirements.

Item 4 shall be responsible for the supply and commissioning of rendering workstations and local workstation connectivity only. Shared storage infrastructure shall be supplied under Item 5 and permanent network infrastructure under Item 7.

| Item No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                    | Quantity |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Item 5   | <b>Shared Production Storage</b> - Supply, install, configure and commission a <b>high-performance shared production storage system</b> providing <b>60TB usable capacity</b> at commissioning, after RAID/parity protection and system overheads. The system shall be suitable for simultaneous virtual production, Unreal Engine, editing, rendering, previs and high-resolution media workflows. | 1        |

### Minimum Requirements

The storage system shall provide:

- **60TB usable storage capacity.**
- RAID-protected, fault-tolerant operation.
- Redundant power supplies.
- Hot-swappable drives and components.
- System monitoring and automated alerts for drive, hardware and system faults.
- High-speed network connectivity suitable for integration with the dedicated Virtual Production network.
- High-performance shared access for the specified workstations and other authorised production systems.
- Shared-production file access, user permissions and access controls.

### Expansion and Scalability

The storage platform shall be modular and expandable, with the ability to increase capacity to a **minimum of 120TB usable storage** through the addition of drives and/or manufacturer-supported expansion enclosures.

Tenderers shall identify:

- The proposed expansion method.
- Maximum supported storage capacity.
- Any additional hardware required for expansion.
- Indicative pricing for expansion to 120TB usable capacity.

### Installation and Commissioning

The tendered price shall include:

- Complete 60TB usable storage system.
- All required hardware, licences and network interfaces.
- Installation, configuration and commissioning.
- Integration with the Virtual Production network and associated production systems.

Future expansion is not required as part of the initial purchase but shall be supported by the proposed solution.

Item 5 shall be responsible for the shared storage platform, storage networking interfaces and storage configuration. Core network switching and backbone infrastructure shall be supplied under Item 7.

| Item No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quantity |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Item 6   | <b>Virtual Production Camera Tracking, Synchronisation, Training and Support</b> - Supply, install, configure and commission a fully integrated virtual-production camera tracking and synchronisation system compatible with the specified LED wall, LED processing system, rendering workstations and <b>Unreal Engine/nDisplay</b> workflow. The solution shall be suitable for professional film, television, broadcast, commercial virtual production, educational use and commercial hire. | 1        |

### System Integration and Commissioning

The supplier shall provide:

- Installation, integration, calibration, commissioning and performance testing of the complete system.
- Integration with the LED wall, LED processing system, rendering workstations and virtual-production network.
- Verification of tracking accuracy, lens calibration, genlock, timecode synchronisation, network performance and Unreal Engine/nDisplay communication.

### Camera Tracking System Requirements

The camera tracking system shall provide:

- Professional **6DoF optical/inertial camera tracking** suitable for virtual production and ICVFX.
- Positional accuracy of **<0.1mm**, angular accuracy of **<0.003°** and latency of **≤5ms**.
- Integrated 4K optical sensor, accelerometer and gyroscope.
- Support for handheld, Steadicam, pedestal and crane-mounted cameras.
- Real-time lens tracking, including focus, zoom, lens calibration and absolute lens encoder support.
- Native Unreal Engine integration and FreeD or equivalent industry-standard tracking protocol output.
- Support for genlock, timecode, Black Burst and Tri-Level Sync.
- Dedicated rack-mounted tracking processor with redundant power supply.
- Tracking data recording and export in FBX and XML formats.
- Complete marker kit, mounting hardware and calibration tools.
- Support for one tracked camera, with expansion capability for a second camera without replacement of the core system.

### Training

The supplier shall provide practical operator and technical training covering:

- Camera tracking and lens calibration.
- Synchronisation and network operation.
- System configuration and routine calibration.
- Start-up, shutdown and basic fault diagnosis.

### Support and Maintenance

The tendered price shall include all hardware, software licences, interfaces, cabling, synchronisation equipment, tracking equipment, network components and accessories required for normal operation.

The supplier shall provide **three years of comprehensive support and maintenance** following commissioning and acceptance, including:

- Technical support and fault diagnosis.
- Remote assistance.
- Applicable software and firmware updates.
- Defined response times, escalation procedures and warranty provisions.

No essential component shall be treated as an optional extra.

### Acceptance Testing

Prior to final acceptance, the supplier shall demonstrate:

- Accurate camera and lens tracking.
- Stable genlock and timecode synchronisation.
- Reliable network performance.
- Successful Unreal Engine/nDisplay integration.

Final acceptance shall be based on compliance with the specification and successful demonstration of the required operational performance.

Item 6 shall be responsible for camera-tracking hardware, lens-calibration systems, synchronisation equipment, genlock/timecode distribution associated with the tracking system, operator training and support services. Permanent network infrastructure, switches, transceivers and backbone cabling shall be supplied under Item 7.

| Item No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quantity |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Item 7   | <b><u>Dedicated Virtual Production Network</u></b> - Supply, install, configure and commission a <b>dedicated managed Virtual Production network</b> with a minimum <b>25GbE switched backbone</b> , including all required <b>25GbE/SFP28 interfaces, transceivers, cabling and associated network components</b> . The network shall support high-performance virtual production, rendering, tracking, synchronisation and media workflows and shall be integrated with the specified LED wall, processing, rendering and production systems. | 1        |

### Minimum Requirements

The network shall provide:

- **Minimum 25GbE switched backbone.**
- Layer 3 switching capability.
- VLAN support.
- Quality of Service (QoS).
- IGMP snooping.
- Jumbo frame support with a **minimum MTU of 9,000 bytes**.
- Low-latency switching suitable for real-time virtual-production workflows.
- Network monitoring and management capabilities.

### Network Architecture

The Virtual Production network shall be **physically or logically segregated** from general-purpose institutional networks and configured to ensure reliable, secure and high-performance operation for virtual-production applications.

The tendered solution shall include all required switches, transceivers, interfaces, cabling, configuration, testing and commissioning necessary to provide a fully operational dedicated Virtual Production network.

Item 7 shall be solely responsible for the provision of the dedicated Virtual Production network, including all switches, transceivers, backbone cabling, network management systems, VLAN configuration and associated infrastructure required to interconnect the virtual production environment.

**No other item shall include pricing for core network switching infrastructure unless explicitly stated.**

| Item No. | Item Description                                                                                                                                                                                                | Quantity |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Item 8   | <b>Staff Training</b> - Provide <b>comprehensive on-site training</b> for designated staff covering the operation, management, maintenance and basic troubleshooting of the complete virtual production studio. | 1        |

Training shall include:

- Safe operation and routine maintenance of the virtual production environment.
- Correct assembly, dismantling, handling and reconfiguration of LED wall structures.
- Operation of LED processing, rendering, tracking and synchronisation systems.
- Management of associated hardware, cabling and supporting infrastructure.
- Routine system checks, fault identification and basic troubleshooting procedures.
- Safe working practices and operational best practice for virtual production environments.

The training programme shall ensure staff are capable of safely operating, maintaining and reconfiguring the system in accordance with industry best practice.

Product-specific operational training included within individual lots shall be limited to the supplied equipment.

Item 8 shall provide comprehensive end-user training covering operation of the complete integrated Virtual Production Studio.

| Item No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quantity |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Item 9   | <b>Delivery and Maintenance Services</b> - Provide <b>delivery, installation support and ongoing preventative maintenance services</b> for the complete virtual production studio. The successful tenderer shall provide <b>two scheduled preventative maintenance visits annually, in June and December</b> , to inspect, test, service and verify the performance of all installed hardware, software, display systems, networking infrastructure, camera tracking systems, processing equipment and associated supporting infrastructure. | 1        |

Maintenance services shall include:

- Inspection and testing of system performance and functionality.
- Preventative maintenance in accordance with manufacturer recommendations.
- Verification of software, firmware and system configurations.
- Identification of faults, wear or performance issues.
- Recommendations for corrective actions where required.

The service shall ensure the continued **safe, reliable and optimum operation** of the virtual production environment throughout the contract period.

Maintenance services under Item 9 shall supplement, and not replace, manufacturer warranty and support obligations provided under individual equipment lots.

| Item No.       | Item Description                                                                                                                                                                                                                                                                                                                                                                                                  | Quantity |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Item 10</b> | <b><u>Ceiling-Mounted Lighting Suspension System</u></b> - Supply, install and commission a <b>professional ceiling-mounted lighting suspension system</b> suitable for film, television, broadcast and virtual production studio environments. The system shall provide safe, flexible and efficient positioning of lighting fixtures while reducing floor clutter and supporting professional studio workflows. | <b>1</b> |

#### Minimum Requirements

The system shall include:

- a minimum of **two fixed ceiling-mounted rails of approximately 4m length** and **two movable rails of approximately 3m length**, or an equivalent configuration providing comparable studio coverage, operational flexibility and lighting support capacity.
- Pantograph-mounted lighting supports suitable for professional lighting fixtures.
- All mounting hardware, fixings, suspension components and accessories required for a complete installation.

The completed system shall enable the safe positioning, adjustment and reconfiguration of lighting equipment throughout the studio space and shall be suitable for continuous professional and educational use.

| Item No.       | Item Description                                                                                                                                                                                                                                                                                                                                                                                           | Quantity |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Item 11</b> | <b><u>UV-LED tabletop exposure system</u></b> - Supply, install and commission a <b>professional UV-LED tabletop exposure system</b> suitable for educational, studio and professional printmaking environments. The system shall support the production of <b>high-quality photo stencils, screens and printing plates</b> for screen-printing, graphic arts, textile printing and fine art applications. | <b>1</b> |

#### Minimum Requirements

The system shall:

- Utilise energy-efficient UV-LED exposure technology.
- Provide programmable exposure controls for accurate and repeatable operation.
- Deliver consistent exposure performance suitable for teaching and professional print production.
- Support the production of high-quality photo stencils, screens and printing plates.
- Be suitable for educational, commercial and studio printmaking workflows.

The tendered solution shall include all equipment, controls, accessories, installation and commissioning required to provide a fully operational UV-LED exposure system.

| Item No. | Item Description                                                                                                                                                                                                                                                                                                                                                                 | Quantity |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Item 12  | <b>Portable Camera Dolly System</b> - Supply, install and commission a <b>professional portable camera dolly system</b> suitable for cinematography, broadcast, virtual production and educational training environments. The system shall provide <b>smooth, controlled and repeatable camera movement</b> for professional tracking, dolly and motion-based filming workflows. | 1        |

#### Minimum Requirements

The system shall include:

- A precision wheeled camera carriage designed for professional camera support.
- A portable track system suitable for straight tracking shots and rapid deployment in studio or location environments.
- Tripod, stand-mounted or equivalent support infrastructure for the track system.
- Standard professional camera mounting interfaces suitable for industry-standard fluid heads and camera support systems.
- A modular design allowing flexible track lengths and configurations.
- Smooth-running wheel assemblies suitable for vibration-free camera movement.
- Compatibility with professional film, television, broadcast and virtual production workflows.
- All required track supports, mounting hardware, adapters and accessories necessary for operation.

The completed system shall enable safe, reliable and repeatable camera tracking movements and shall be suitable for continuous professional and educational use. The tendered solution shall be supplied as a complete operational system, including all components required for deployment, setup and commissioning.

## **APPENDIX 3A – FRAMEWORK AGREEMENT TERMS AND CONDITIONS**

**Please refer to separate files uploaded on eTenders. Available for download as a PDF document – provided for information, only to be completed by those invited to join the framework.**

## **APPENDIX 3B – CONTRACT TERMS AND CONDITIONS**

**Please refer to separate files uploaded on eTenders. Available for download as a PDF document – provided for information, only to be completed by those invited to join the framework.**

## APPENDIX 4 – PRICING SCHEDULE

Please refer to separate appendix uploaded on eTenders. This document must be used for pricing and must be submitted in excel format as part of your tender submission.

## APPENDIX 5 – TENDER RESPONSE DOCUMENT

Please refer to separate appendix uploaded on eTenders. The Tender Response Document must be fully completed and submitted by any tenderer seeking to tender for this competition.