

# Technical Specification

*Supply and Installation of Permanent Programmable LED Street Lighting – Main Street & Barrack Street, Belmullet, Co. Mayo*

*Contract Reference: Erris Chamber of Commerce – LED Street Lighting 2026*

## 1. Introduction

This Technical Specification forms part of the tender documents issued by Erris Chamber of Commerce (“the Employer”) for the supply and installation of permanent, programmable LED street lighting on Main Street and Barrack Street, Belmullet, Co. Mayo. The project is funded, in part, under Ireland’s LEADER Programme 2023–2027, with Mayo North East LEADER Partnership CLG acting as Implementing Partner.

The Contract will be procured by Open Procedure competitive tender via the eTenders portal and awarded as a Short Public Works Contract (PW-CF6) on a Fixed Price Lump Sum basis.

*This Specification is written on a performance and outcome basis. It does not name, specify or imply any particular product, brand, manufacturer or supplier. Tenderers may propose any system, product or method of working that meets or exceeds the performance requirements set out below, and equivalent products will be accepted.*

## 2. Site Description

The site comprises the public street area of:

- Main Street, Belmullet, Co. Mayo; and
- Barrack Street, Belmullet, Co. Mayo,

together approximately 1km in combined length, including two road crossings (one at Main Street and one at Barrack Street). Existing council-owned lighting standards/poles run along both streets and are currently used each year to support temporary, seasonal (Christmas) lighting, which is erected and removed annually.

The site is a live public street in ordinary daily use by vehicles, pedestrians and businesses throughout the works. Tenderers must satisfy themselves as to site conditions, access, and traffic management requirements before tendering; no site visit appointment is necessary as the site may be inspected at any time (see Instruction to Tenderers, Particulars, Section 2.4).

## 3. Scope of Works

The Works comprise the supply, delivery and installation of a complete, permanent, programmable LED street lighting system, including:

1. A permanent catenary/steel wire support system installed between existing street lighting standards/poles along Main Street and Barrack Street;
2. Permanent, programmable LED “festoon-style” lighting fittings mounted on the catenary/support system;

3. A control/programming system enabling the lighting to be programmed for, and switched between, multiple colour themes and displays (for example: Christmas, national and local celebrations, and awareness campaigns) throughout the year;
4. All associated electrical works, including connection to the existing public lighting electricity supply, wiring, fixings and any new electrical infrastructure required;
5. Lighting spans across the two road crossings (Main Street and Barrack Street), installed to the appropriate statutory clearance heights for vehicular and pedestrian traffic;
6. All structural fixings to existing poles, standards and/or buildings, engineered to withstand wind and weather loading appropriate to this coastal North Mayo location;
7. Testing, commissioning and handover of the completed system, including as-built documentation and training for the Employer's nominated representative; and
8. Reinstatement and making good of any surfaces, footpaths or structures disturbed by the Works.

## **4. Technical Requirements**

### **4.1 Lighting fittings**

Permanent, outdoor-rated, weatherproof LED fittings (minimum ingress protection rating IP65 or equivalent), programmable to produce both warm white lighting and multi-colour displays, suitable for permanent year-round outdoor installation.

### **4.2 Support system**

A catenary or steel wire support system suitable for permanent outdoor use, corrosion-resistant, and engineered to withstand the wind and weather loading appropriate to the site, with tensioning sufficient to prevent sagging over the design life of the installation.

### **4.3 Control system**

A control system enabling the Employer (or its nominated representative) to programme and schedule lighting colours/displays, for year-round rather than solely seasonal operation, with clear operating instructions and training provided on handover.

### **4.4 Energy efficiency**

The proposed system should achieve a substantial reduction in electricity consumption compared with the existing temporary lighting arrangement (the Employer's indicative target is a reduction of approximately 85%). Tenderers should state the expected energy consumption of their proposed system in their tender.

### **4.5 Electrical works**

All electrical installation work must be carried out by a Registered Electrical Contractor (RECI or equivalent registration) and comply with the National Rules for Electrical Installations (I.S. 10101) and all applicable ESB Networks and Health and Safety Authority requirements.

### **4.6 Road crossings**

Lighting spans over both road crossings must achieve the minimum statutory clearance height for the relevant road classification and must be designed and, where required, certified by a competent person.

## **4.7 Durability and warranty**

Fittings and the support system should have a design life appropriate to permanent public lighting infrastructure. See Section 7 below for the minimum warranty period required.

## **5. Consents and Compliance**

- The Contractor is responsible for identifying, and assisting the Employer in obtaining, any consents required for the Works, including any road opening licence or other consent required from Mayo County Council, and any connection agreement required from ESB Networks.
- All Works must comply with the Safety, Health and Welfare at Work Act 2005, the Safety, Health and Welfare at Work (Construction) Regulations 2013, and all other applicable legislation, codes of practice and standards.
- All electrical works must comply with I.S. 10101 (National Rules for Electrical Installations) and be carried out by a Registered Electrical Contractor.
- The Works must be carried out with due regard to public safety and traffic management, given that Main Street and Barrack Street remain open to vehicular and pedestrian traffic throughout the Contract.

## **6. Insurance Requirements**

This project is grant-funded under Ireland's LEADER Programme 2023–2027. Under the terms of its grant agreement, Erris Chamber of Commerce (as Promoter) is required to keep in force adequate insurance for the project and to indemnify the Department of Rural and Community Development, the relevant LEADER Local Action Group and Implementing Partners (including Mayo North East LEADER Partnership CLG), Moy Valley Resources, IRD Kiltimagh, and Mayo County Council against claims arising from the project. The Contractor's own insurance, required below, supports the Employer in meeting that obligation.

The Tenderer/Contractor must hold, and must maintain for the duration of the Contract, public liability insurance and employer's liability insurance at not less than the minimum indemnity limits stated in the Form of Tender and Schedule (FTS6), clause 10.3, currently:

- Public liability insurance: minimum €6,500,000 for any one event; and
- Employer's liability insurance: minimum €13,000,000 for any one event.

Tenderers must submit evidence of this cover, or written confirmation from their insurance broker or insurer that such cover will be put in place before the Contract is signed, with their Tender, as set out in Appendix 2 to the Instruction to Tenderers. Tenders that do not include this evidence, or a satisfactory written confirmation, may be excluded. The successful Tenderer will be required to provide the Employer with copies of the relevant policies or certificates of insurance confirming the required cover is in place before the Contract is signed, and to maintain that cover for the duration of the Contract and any defects/warranty period.

## **7. Testing, Commissioning and Warranty**

- The Contractor shall fully test and commission the completed system prior to handover, and provide the Employer with written certification of testing and commissioning.
- A minimum warranty period of 12 months from the date of practical completion shall apply to all workmanship, fittings, the support system and the control system.

- The Contractor shall provide as-built documentation, an operating and programming manual, and training for the Employer's nominated representative on the use and programming of the control system.

## **8. Optional Maintenance**

Tenderers may, at their option, additionally quote a separate annual maintenance/service cost for ongoing maintenance of the lighting system following expiry of the warranty period. This optional cost will not form part of the evaluated lump sum tender price and is for the Employer's information only.

## **9. Supplier Neutrality**

*This Specification has been drafted on a performance and outcome basis in accordance with public procurement guidelines. No product, brand, manufacturer or supplier is named, specified or implied, and any product or system that meets or exceeds the performance requirements set out above will be accepted.*