



## Galileo Energy Services

Unit A6, M4 Business Park,  
Celbridge, Co. Kildare.  
Tel: 01-6274103  
www.galileoenergy.ie

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**KILMACANOGUE NATIONAL SCHOOL  
KILMACANOGUE,  
BRAY,  
CO. WICKLOW.  
A98 N602**

**ROLL NUMBER: 18365Q**

### **ELECTRICAL SERVICES SPECIFICATION**

### **VOLUME 2**

### **ELECTRICAL PRICING DOCUMENT**

### **TENDER ISSUE (T1)**

**Document Control: J21-008/T1/Volume 2**

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|      |          |                   |                   |
|      |          |                   |                   |



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### SECTION 1.0

### ELECTRICAL TENDER RETURN

Tender for: Kilmacanogue National School, Kilmacanogue,  
Bray, Co. Wicklow.

To: \_\_\_\_\_

Sirs,

We have examined and understand the Contract, the Works Requirements, the Pricing Document, all as amended by any supplemental information, for the above contract. Terms used in this Tender that are defined in those documents have the same meaning in this Tender. We submit with this Tender the completed Pricing Document and Schedule and Works Proposals, which form part of this Tender.

I/We hereby undertake to execute and complete the whole of the works described in the tender documents and to comply with the conditions thereof for the fixed price of:

(Euros) €.....

(In words).....

#### **Tendering Company Information**

Name of Tenderer \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signed \_\_\_\_\_

Date \_\_\_\_\_



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### SECTION 2.0 PRELIMINARIES

The Contractor shall include below for all other preliminary items required for the satisfactory completion of the installation. Unless the tenderer specifically notes an amount of money or “not included” after each of the Preliminary items, it shall be taken by default that any costs associated with these items are included in the totalled tender figure:

| Ref: | Description                                                                                                                                                   | Amount €<br>EURO |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 2.1  | Plant, tools. Ladders, vehicles, temporary buildings and any other support facilities required.                                                               | €                |
| 2.2  | Scaffolding, access platforms, hoisting                                                                                                                       | €                |
| 2.3  | Health, safety, welfare and training of personnel                                                                                                             | €                |
| 2.4  | Requirements of local authorities and others having jurisdiction; police regulations, customs duties/levies                                                   | €                |
| 2.5  | Setting out, supervision and programming                                                                                                                      | €                |
| 2.6  | National insurance and pensions for personnel; holidays, incentive bonus; transfer of personnel; country money.                                               | €                |
| 2.7  | Safeguarding the works, materials (including Employer's materials) and plant against damage left.                                                             | €                |
| 2.8  | Maintenance of existing buildings, facilities, roads and repair of damage done by this Contractor                                                             | €                |
| 2.09 | Insurances                                                                                                                                                    | €                |
| 2.10 | Preparation of working drawings                                                                                                                               | €                |
| 2.11 | Builders work drawings, setting out and supervision of associated builders work activities                                                                    | €                |
| 2.12 | Labelling; provision of operating and maintenance manuals; as-built drawings; commissioning data records, instructing and training employer's representatives | €                |
| 2.13 | Any other items deemed necessary                                                                                                                              | €                |
| a.   |                                                                                                                                                               |                  |
| b.   |                                                                                                                                                               |                  |
| c.   |                                                                                                                                                               |                  |
|      | <b>Sub total 'Preliminaries' to Summary of Prices in Section 4</b>                                                                                            | <b>€</b>         |



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### SECTION 3.0 TENDER BREAKDOWN

*Please note that for tendering purposes it is necessary that the Contractor shall fill out the tender return with the breakdown costs identified for the necessary items. Please note failure to comply with this instruction will render your tender in valid.*

| Ref:         | Description                                                                                                     | Amount €<br>(Euros) |
|--------------|-----------------------------------------------------------------------------------------------------------------|---------------------|
|              | <b>GENERAL</b>                                                                                                  |                     |
| Item         | Building control regulations                                                                                    | €                   |
| Item         | Builders work                                                                                                   | €                   |
| Item         | Co-ordination                                                                                                   | €                   |
| Item         | Decommissioning of existing services                                                                            | €                   |
|              | Other                                                                                                           |                     |
| a.           |                                                                                                                 |                     |
|              | <b>Sub-Total for 'General' carried forward to Summary of Prices in Section 4</b>                                | €                   |
| <b>E60.0</b> | <b>SITE SERVICES</b>                                                                                            | N/A                 |
| <b>E61.0</b> | <b>ELECTRICITY CENTRE</b>                                                                                       | N/A                 |
| <b>E62.0</b> | <b>POWER DISTRIBUTION SERVICES</b>                                                                              |                     |
| E62.01       | Decommissioning and removal from site of the existing main distribution board in the building                   | €                   |
| E62.02       | Detailed survey of the existing main electrical board in the building                                           | €                   |
| E62.03       | New main electrical board                                                                                       | €                   |
| E62.04       | New ESB meter to be installed in the new electrical board                                                       | €                   |
| E62.05       | PC sum for ESB Capital Contribution                                                                             | €2,000.00           |
| E62.06       | Attendances to ESB Networks                                                                                     | €                   |
| E62.07       | New Sub-distribution electrical board for the new extension building                                            | €                   |
| E62.08       | Connection of new sub-distribution electrical board to the new main distribution board in the existing building | €                   |
| E62.09       | Cable carrier LV and ELV in the new extension                                                                   |                     |



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| Ref:   | Description                                                                               | Amount €<br>(Euros) |
|--------|-------------------------------------------------------------------------------------------|---------------------|
| a.     | Supply and installation of trunking in the new extension.                                 | €                   |
| b.     | Supply and installation of tray in the new extension.                                     | €                   |
| c.     | Supply and installation of conduits in the new extension.                                 | €                   |
| E62.10 | Cable carrier LV and ELV in the existing building                                         |                     |
| a.     | Supply and installation of trunking in the existing building                              | €                   |
| b.     | Supply and installation of tray in the existing building                                  | €                   |
| c.     | Supply and installation of conduits in the existing building                              | €                   |
| E62.11 | Sub-mains cables internally                                                               |                     |
| a.     | Supply and installation of sub-mains cabling to the PV panels                             | €                   |
| b.     | Supply and installation of sub-mains cabling to the new sub-distribution electrical board | €                   |
| E62.12 | Internal sockets and spurs                                                                |                     |
| a.     | Supply and installation of standalone sockets                                             | €                   |
| b.     | Supply and installation of putty pads                                                     | €                   |
| c.     | Supply and installation of unswitched fused spurs                                         | €                   |
| d.     | Supply and installation of switched fused spurs                                           | €                   |
| e.     | Supply and installation of isolators                                                      | €                   |
| f.     | Supply and installation of all wiring to internal sockets, spurs and isolators            | €                   |
| E62.13 | Power installation on dado trunking                                                       | €                   |
| E62.14 | CO2 monitors                                                                              | €                   |
| E62.15 | Attendances to mechanical ventilation                                                     |                     |
| a.     | Attendances to the extract fan in toilets                                                 | €                   |
| E62.16 | Attendances to the two-port valves and local room stats                                   | €                   |
| E62.17 | Supply and installation of the Photovoltaic (PV) panels                                   | €                   |
| E62.18 | Attendances to the new magnetic door hold open devices                                    | €                   |



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| Ref:         | Description                                                                            | Amount €<br>(Euros) |
|--------------|----------------------------------------------------------------------------------------|---------------------|
| E62.19       | Cabling, wiring and cable sizes                                                        | €                   |
| E62.20       | Earthing and bonding                                                                   | €                   |
| E62.21       | Testing and Commissioning                                                              | €                   |
| E62.22       | Attendances to the gas detection system in the boilerhouse                             | €                   |
| E62.23       | Attendances to the magnetic door hold open device                                      | €                   |
| E62.24       | Attendances to the mechanical installation                                             | €                   |
| E62.25       | Electronic surge protection                                                            | €                   |
| E62.26       | Other                                                                                  |                     |
| a.           |                                                                                        |                     |
| b.           |                                                                                        |                     |
|              | <b>Sub-Total for 'Section 62' carried forward to 'Summary Section 4'</b>               | €                   |
| <b>E63.0</b> | <b>LIGHTING SERVICES</b>                                                               |                     |
| E63.01       | Internal and external task lighting                                                    |                     |
| a.           | Supply and installation of 'Type A' light fitting                                      | €                   |
| b.           | Supply and installation of 'Type B' light fitting                                      | €                   |
| c.           | Supply and installation of 'Type C' light fitting                                      | €                   |
| d.           | Supply and installation of 'Type X1' light fitting                                     | €                   |
| e.           | All associated cabling for the supply and installation of all light fittings           | €                   |
| f.           | All associated cable containment for the supply and installation of all light fittings | €                   |
| g.           | Commissioning and testing                                                              | €                   |
| h.           | Other                                                                                  | €                   |
| E63.02       | Lighting switches                                                                      | €                   |
| E63.03       | Lighting controls                                                                      | €                   |
| E63.04       | Cable carrier system for lighting installation                                         | €                   |
| E63.05       | Emergency Lighting                                                                     |                     |
| a.           | Supply and installation of 'Type E1' light fitting                                     | €                   |



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| Ref:         | Description                                                                                      | Amount € (Euros) |
|--------------|--------------------------------------------------------------------------------------------------|------------------|
| b.           | Supply and installation of 'Type E2' light fitting                                               | €                |
| c.           | Supply and installation of 'Type E3' light fitting                                               | €                |
| d.           | All associated cabling for the supply and installation of all emergency light fittings           | €                |
| e.           | All associated cable containment for the supply and installation of all emergency light fittings | €                |
| f.           | Lux level check                                                                                  | €                |
| g.           | As-built drawings                                                                                | €                |
| h.           | Commissioning and testing                                                                        | €                |
| i.           | Other                                                                                            | €                |
| E63.06       | External bulkhead lighting attached to the building                                              | €                |
| E63.07       | Cabling, wiring and cable sizes                                                                  | €                |
| E63.08       | Testing and commissioning                                                                        | €                |
| E63.09       | Other                                                                                            |                  |
| a.           |                                                                                                  |                  |
| b.           |                                                                                                  |                  |
|              | <b>Sub-Total for 'Section 63' carried forward to 'Summary Section 4'</b>                         | €                |
| <b>E64.0</b> | <b>COMMUNICATIONS SYSTEMS</b>                                                                    |                  |
| E64.01       | ICT system                                                                                       | €                |
| E64.02       | Public Address (PA) system                                                                       | €                |
| E64.03       | Other                                                                                            |                  |
| a.           |                                                                                                  |                  |
| b.           |                                                                                                  |                  |
|              | <b>Sub-Total for 'Section 64' carried forward to 'Summary Section 4'</b>                         | €                |
| <b>E65.0</b> | <b>RESERVED</b>                                                                                  | N/A              |
| <b>E66.0</b> | <b>TRANSPORT SERVICES</b>                                                                        | N/A              |
| <b>E67.0</b> | <b>RESERVED</b>                                                                                  | N/A              |
| <b>E68.0</b> | <b>SECURITY &amp; PROTECTION</b>                                                                 |                  |
| E68.01       | Fire alarm system                                                                                |                  |



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| Ref:         | Description                                                                                | Amount €<br>(Euros) |
|--------------|--------------------------------------------------------------------------------------------|---------------------|
| a.           | Supply and installation of smoke detectors                                                 | €                   |
| b.           | Supply and installation of heat detectors                                                  | €                   |
| c.           | Supply and installation of combined smoke detectors and sounders                           | €                   |
| d.           | Supply and installation of void detectors                                                  | €                   |
| e.           | Supply and installation of external alarm sounder and beacon                               | €                   |
| f.           | Supply and installation of VAD unit                                                        | €                   |
| g.           | Supply and installation of internal magnetic door contacts                                 | €                   |
| h.           | Supply and installation of mains powered fire alarm interface units for smoke/fire dampers | €                   |
| i.           | Supply and installation of general interface units                                         | €                   |
| j.           | Supply and installation of map at fire alarm panel location                                | €                   |
| k.           | All associated cabling for the fire alarm system and devices                               | €                   |
| l.           | As-built drawings                                                                          | €                   |
| m.           | Commissioning and testing                                                                  | €                   |
| n.           | All associated cable containment for the fire alarm system and devices                     | €                   |
| o.           | Other                                                                                      | €                   |
| E68.02       | Intruder alarm system                                                                      | €                   |
| E68.03       | CCTV system                                                                                | €                   |
| E68.04       | Other                                                                                      |                     |
| a.           |                                                                                            |                     |
|              | <b>Sub-Total for 'Section 68' carried forward to 'Summary Section 4'</b>                   | €                   |
| <b>E69.0</b> | <b>COMMISSIONING, INSTRUCTION TO CLIENT AND HANDOVER</b>                                   |                     |
| E69.01       | Commissioning of systems                                                                   | €                   |
| E69.02       | O&M Manuals                                                                                | €                   |
|              | <b>Sub-Total for 'Section 69' carried forward to 'Summary Section 4'</b>                   | €                   |



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### SECTION 4.0

### SUMMARY OF PRICES

| Ref:                                                                                   | Description                        | Amount € |
|----------------------------------------------------------------------------------------|------------------------------------|----------|
|                                                                                        |                                    |          |
|                                                                                        | Sub-total ' <b>Preliminaries</b> ' | €        |
|                                                                                        | Sub-total ' <b>General</b> '       | €        |
|                                                                                        | Sub-total ' <b>Section E60</b> '   | N/A      |
|                                                                                        | Sub-total ' <b>Section E61</b> '   | N/A      |
|                                                                                        | Sub-total ' <b>Section E62</b> '   | €        |
|                                                                                        | Sub-total ' <b>Section E63</b> '   | €        |
|                                                                                        | Sub-total ' <b>Section E64</b> '   | €        |
|                                                                                        | Sub-total ' <b>Section E65</b> '   | N/A      |
|                                                                                        | Sub-total ' <b>Section E66</b> '   | N/A      |
|                                                                                        | Sub-total ' <b>Section E67</b> '   | N/A      |
|                                                                                        | Sub-total ' <b>Section E68</b> '   | €        |
|                                                                                        | Sub-total ' <b>Section E69</b> '   | €        |
|                                                                                        |                                    |          |
| <b>Total Amount of Tender (Fixed Price)</b>                                            |                                    | €        |
| <b><i>Forward cost to Main Contractor for inclusion in their Pricing Document'</i></b> |                                    |          |

Notes:

1. *Fixed price contract. This contract will be treated as a fixed price contract.*
2. *Complete this tender and ensure that the total figure above is included in the Main Contractors – 'Pricing Document'.*
3. *Please note failure to comply with this instruction will render your tender in valid.*