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| **ELECTRICAL FORM OF TENDER** | | |
| **schedule ref** | Revision D2/P02 – 2022.02.23 |

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| **Electrical Services** | | |
|  | **Preliminaries.** | £ |
|  | **Survey of Existing.**  Carry out a site survey of existing areas to facilitate co-ordination and production of developed installation drawings. | £ |
|  | **Coordination of Services**.  Provisions for co-ordination of mechanical, electrical and other related services, including co-ordinated drawings for approval. | £ |
|  | **Drawings.**  Complete design and prepare working drawings. | £ |
|  | **Utilities.**  Supply, installation and commissioning of new TP&N distribution boards, including protective devices, to serve the new building. | £ |
|  | **LV Distribution.**  Supply, installation and commission of new LV distribution system within the main extension, including sub-main cabling. | £ |
|  | **Primary Containment.**  Supply, co-ordination and installation of new primary containment system. | £ |
|  | **Secondary Containment.**  Design, supply, co-ordination and installation of new secondary containment. | £ |
|  | **Small Power.**  Supply, installation and commissioning of new small power provision to include circuits to public toilets and the café. | £ |
|  | **Fire Alarm.**  Design, supply, installation and commissioning of new Fire Alarm system. | £ |
|  | **Disabled WC.**  Design, supply, installation and commission of a new disabled WC Alarm System including changing places and disabled WC. | £ |
|  | **Lighting.**  Supply, installation and commissioning of new general and emergency lighting. | £ |
|  | **External Lighting.**  Supply, installation and commissioning of external lighting to the building perimeter. | £ |
|  | **Lighting Controls.**  Design, supply, installation and commissioning of lighting control system. | £ |
|  | **Security Alarm.**  Design, supply, installation and commissioning of a new Intruder Alarm system to the building. | £ |
|  | **Data.**  Design, supply, installation and commissioning of data infrastructure. | £ |
|  | **Earthing.**  Design, supply, installation and commissioning of a new earthing system. | £ |
|  | **Builders Work.**  Design and provision of all builder’s work holes, channels, fixings and making good to existing fabric. | £ |
|  | **Lightning Protection.**  Design, supply, installation and commissioning of a new lightning protection system. | £ |
|  | **Photovoltaics**  Design, supply, installation, and commissioning of new PV array including all ancillary items. |  |
|  | **Training.**  Client training of all new and modified systems. | £ |
|  | **Commissioning.**  Full testing and commissioning of all electrical services and systems, to include existing systems that are being extended. | £ |
|  | **O&M Manuals & as Installed Drawings.**  O&M Manuals & As Installed Record drawings, to an agreed format. | £ |
| **External Services** | | |
|  |  | £ |
|  |  | £ |
|  |  | £ |
|  |  | £ |
|  |  | £ |
|  |  | £ |
| **Any Other Items** | | |
|  |  | £ |
|  |  | £ |
|  |  | £ |
|  |  | £ |
|  |  | £ |
|  | **Total Electrical (excluding MCD)** | **£** |
|  | **PROVISIONAL SUMS** |  |
| 1. | Statutory Costs for incoming electrical supply | £9,500 |
| 2. | Fire Alarm extension to WC Area | £ |
| 3. |  | £ |
| 4. |  | £ |
| **Others Proposed** | | |
| 5. |  | £ |
| 6. |  | £ |
| 7. |  |  |
|  | **Total** | **£** |

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| **MECHANICAL FORM OF TENDER** | | |
| **schedule ref** | Revision D2/P02 – 2022.02.23 |

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|  | **Preliminaries** | £ |
|  | **Coordination of Services**.  Strip Out of existing mechanical and PH services prior to demolition. | £ |
|  | **Coordination of Services**.  Provisions for co-ordination of mechanical, electrical, and other related services, including co-ordinated drawings for approval. | £ |
|  | **Drawings.**  Production of co-ordinated working drawings and technical submissions. | £ |
|  | **Utilities.**  Provision of new incoming mains water supply. Co-ordination & provision of incoming supply arrangement including all necessary correspondence with the utility providers. (Application has been made – awaiting response from statutory authority) | £ |
|  | **Electric Heating.**  Supply, installation and commissioning of radiant panels. | £ |
|  | **Heat Recovery Ventilation – Public Toilets**  Supply, installation, testing and commissioning of ventilation systems. |  |
|  | **Extract Ventilation – Cafe**  Supply, installation, testing and commissioning of ventilation systems. |  |
|  | **Domestic Cold Water Services.**  Supply, installation, testing and commissioning of domestic cold water services. | £ |
|  | **Domestic Hot Water Services.**  Supply, installation, testing and commissioning of domestic hot water services. Including direct electric water heaters. | £ |
|  | **Above Ground Drainage.**  Supply, installation, testing and commissioning of above ground drainage. (inc. condensate installation for water heaters & ventilation systems etc) | £ |
|  | **Air Conditioning Systems.**  Supply, installation, testing and commissioning of VRF air conditioning system. | £ |
|  | **Thermal Insulation.**  Design, supply and installation of thermal insulation to domestic hot & cold water pipework services as well as the ductwork. | £ |
|  | **Commissioning.**  Full testing and Commissioning of Services. | £ |
|  | **Flushing and water treatment.** | £ |
|  | **O&M Manuals & As Installed Drawings.**  The provision of O&M Manuals & As Installed Record Drawings. In a agreed format. | £ |
|  | **Control Systems**  Design, supply, installation and commissioning of automatic controls systems. | £ |
|  | **Builders Work**  Design and provision of all builderswork holes, channels and making good to existing fabric. | £ |
|  | **Thermal Expansion & Contraction**  Design, supply and installation of adequate provision for movement of pipework due to thermal expansion and contraction, hydraulic pressures and building movement. | £ |
|  | **Building logbook and User Guide** | £ |
|  | **Training.**  Client training of the new mechanical services systems. | £ |
|  | Other (please identify); | £ |
|  | Other (please identify); | £ |

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|  | **PROVISIONAL SUMS** |  |
| 1. | Statutory Costs for incoming Water Main | £5,000 |
| 2. |  | £ |
| 3. |  | £ |
| 4. |  | £ |
| **Others Proposed** | | |
| 5. |  | £ |
| 6. |  | £ |
| 7. |  |  |
|  | **Total** | **£** |

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|  | **COST SAVING** |  |
| 1. | Exchange VRV system for DX Multisplit Heating / Cooling System to Cafe | £ |