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| **Ref No.** | **Activity Description** | **Details** | **Unit of Measure (UoM)** | **Quantity** |
| 1.1 | Preliminary Site Surveys and Data Collection | Conduct a thorough site survey, to gather data on existing conditions, including the location of current pipelines, meters, and any other underground utilities. | Lump Sum (LS) | 1 |
| 1.2 | RIBA Stage 3 Design of New LPG Network | Develop a RIBA stage 3 design for the new LPG distribution network, including pipeline routing, and service connections. Address all feedback and revisions required | Lump Sum (LS) | 1 |
| 1.3 | RIBA Stage 4 Design of New LPG Networks | Development of RIBA stage 3 design to a RIBA stage 4 technical design. Address all feedback and revisions required. | Lump Sum (LS) | 1 |
| 1.5 | Phased Commissioning Strategy Development | Develop a strategy for phased commissioning of the new LPG networks, ensuring a smooth transition from temporary gas supplies to the permanent network. This strategy should include detailed timelines, safety protocols and communication methods. | Lump Sum (LS) | 1 |
| 1.6 | Safety and Environmental Risk Assessments | Conduct safety and environmental risk assessments, including hazard identification, risk evaluation, and mitigation planning in line with IGEM/TD/3 and other relevant standards. | Lump Sum (LS) | 1 |
| 2.1 | Mobilisation and Site Setup | Establish site offices, storage areas, and welfare facilities. Mobilise plant, equipment, and materials to the site. | Lump Sum (LS) | 1 |
| 2.8 | Resident Communication | Develop and implement a communication plan with Amey to keep residents informed about the project, including safety protocols, timelines, and expected disruptions. | Lump Sum (LS) | 1 |
| 3.1.1 | Excavation for New LPG Mains | Excavate trenches for the installation of new LPG mains. Ensure proper depth and separation from other utilities. | Lump Sum (LS) | 1 |
| 3.1.3 | Installation of New LPG Mains | Install new PE LPG mains, adhering to the agreed design | Lump Sum (LS) | 1 |
| 3.1.5 | Installation of Service Connections | Connect each property to the new LPG mains, including excavation, pipe laying, and connection to the internal supply. | Lump Sum (LS) | 1 |
| 3.1.8 | Installation of Ground-Mounted Meter Cabinets | Install new ground-mounted meter cabinets at each property, reusing existing meters where possible. Ensure compliance with IGEM/G/1 and IGEM/UP/19. | Lump Sum (LS) | 1 |
| 3.1.11 | Safety Barriers and Signage Installation | Install safety barriers, fencing, and signage around excavation and construction areas to protect workers and residents. | Lump Sum (LS) | 1 |
| 3.2.1 | Pressure Testing of New LPG Mains | Conduct pressure tests on newly installed mains to verify integrity and safety. Use IGEM/UP/1A guidelines for testing procedures. | Lump Sum (LS) | 1 |
| 3.2.3 | Phased Commissioning of New Network Sections | Commission new sections of the network in phases, following the detailed commissioning strategy. Ensure all safety and performance checks are completed before connecting properties. | Lump Sum (LS) | 1 |
| 3.2.7 | Final Testing and Certification | Conduct final testing and obtain certification for the new LPG network, ensuring compliance with all relevant IGEM standards and safety regulations. | Lump Sum (LS) | 1 |
| 4.1 | Reinstatement of Excavated Areas | Restore all excavated areas to their original condition or as specified in the contract, including backfilling and surface restoration. | Lump Sum (LS) | 1 |
| 4.3 | Final Inspection and Sign-Off with Client | Conduct a final walkthrough with the client to ensure all works are completed to satisfaction and all documentation is provided. Address any final issues or concerns. | Lump Sum (LS) | 1 |
| 4.4 | Submission of As-Built Documentation | Provide final as-built drawings, operation manuals, and maintenance instructions for the new LPG network. Ensure all records are accurate and complete. | Lump Sum (LS) | 1 |