

APPENDIX B2: CERTIFICATE OF SATISFACTORY EXECUTION –WORKS ONLY

<p>ACTIVITY (Title of Applicant Activity)</p>	<p>Contractor Entry: Works Contractor, PSCS, Designer and PSDP</p>		
<p>SITE Construction contract: (Title & brief description)</p>	<p>Kilkenny County Non Domestic Water Metering Project</p> <p>The contract provided for the supply, installation and commissioning of approximately 4,920 Water Meters, 3,700 Boundary boxes, and AMR system on all Public Water Schemes in County Kilkenny. The project also provides for installation of approximately 1,000 transponders and 300 pressure reducing valves (PRV's) on consumer supplies.</p>		
<p>Site location:</p>	<p>Kilkenny County</p>		
<p>Proportion of Project undertaken by the Applicant</p>	<p>67%</p>	<p>Tender entity (Sole trader/ Joint Venture):</p>	<p>Joint Venture</p>
<p>VALUE Construction contract value at award stage including cost of services where applicable:</p>	<p>€2,446,863</p>	<p>Construction contract value at completion (including cost of services where applicable):</p>	<p>€2,591,230</p>
<p>GENERAL INFO Role of Company in delivery of Service:</p>	<div data-bbox="555 958 1423 1496" style="text-align: center;"> </div> <p>Scope of Works</p> <p>The works carried out included:</p> <ul style="list-style-type: none"> • Installation of Boundary Boxes • Installation of Water Meters • Installation of Transponders, an Automatic Meter Reading System (AMR) which will integrate with the Purchaser's Financial Management System "Agresso" and a range of other existing ICT systems • Installation of PRVs • Reinstatement of roads, lands, services and other features affected by the works • Performance of the works over a period of 12 months • Maintenance of the works for a period of 24 months <p>Project Overview</p>		

- Design, supply, install and commission approximately 4920 water meters
- Implement an AMR System, with optional water billing system.
- Liaise with customers with regard to notifications of works and any problems or complaints they may have throughout the contract.
- Carry out 6 full county wide meter reading tours over a period of 12 months, from issue of take over certificate for each area.
- Maintain a defects liability period for a 24 Month Period.

Equipment Used

1. EBCO Boundary Box (BSU Box)
 - Dimensions, 300mm Fixed Height * 200mm Diameter Guard Tube.
 - The box design complies with all relevant legislation (**WIS 4-37-01**)
 - The box also has a 50 years certified life cycle .
2. Cavanagh Lockable Ductile Iron Cover and Frame.
 - All Covers are locked, using a stainless steel bolt. This bolt can be removed using a 14mm Alan Key.
 - Specific Badging has been applied to state “Water Meter” and the loading capacity of the particular cover.
 - All covers used throughout the project conformed to **IS 261**, which is the applicable standard for Waterworks Road Furniture in the Republic of Ireland.
3. Actaris Aquadis + Manifold Meter (QN 1.5m³/h) (15mm meters)
 - Aquadis + meters are designed with a 15+ year life expectancy, depending on water quality.
 - They have an accuracy element which allows detection of extremely low flows (typically <1L/h) in a wide range of flow rates.
4. Actaris Cyble RF Transponder unit.
 - No matter when you read the meter, index readings for the end of each of the previous 12 calendar months are available, along with backflow, tamper and leak days for each month. This allows a unique combination of infrequent reads, but extended data for network management like trending and leak detection.

Survey

The project involved the GPS Survey and development of the database at each meter location this was undertaken as follows:

- A member of the Sanitary Services team would help locate, the existing service assisting a Glan Agua staff member, who would catalogue the materials, plant and labour required to carry out the works required at each individual meter location.
- During the setting out process, two number photos were taken, GPS survey of the works, to help with locating and identification at the time of installation.
- All information gathered during the setting-out process, was then compiled and converted into installation packages for each meter, these packages included, two photos, maps, an installation form and setting-out information describing the works required of each meter location.
- All installation packages at this stage were again compiled into walking routes, this allowed an installation crew to visit an area once, have all the installation documentation for all the meters in that

	<p><u>Health & Safety Aspects of the Contract</u></p> <ul style="list-style-type: none"> • Entry into Confined Space • Excavations • Structural Stability • Lifting Operations / Cranes • Road Works • Traffic Management • Scaffolding • Underground Services • Overhead Cables • Working at Heights • Piling • Vibration, Noise and Dust • Working with hazardous materials / live sewers 		
Name & address of Contracting Authority responsible for the project:	Kilkenny County Council, John Street, Kilkenny		
Contracting Authority contact name:	Billy Mernagh	Phone no.:	056 7794000
<p>OTHER INFORMATION</p> <p>Provider of Civil Design : Glan Agua Provider of Civil and Building Construction: Glan Agua Provider of Mechanical, Electrical & Process Design and Installation: Glan Agua Project Supervisor (Construction Stage): Glan Agua</p>			
CONTRACTORS NAME:	Glan Agua Ltd		