

APPENDIX B2: CERTIFICATE OF SATISFACTORY EXECUTION –WORKS ONLY

ACTIVITY <i>(Title of Applicant Activity)</i>	Contractor Entry: Works Contractor, PSCS, Designer and PSDP		
SITE Construction contract: <i>(Title & brief description)</i>	<p>Burncourt and Fethard Water Supply Scheme DBO</p> <p>The Burncourt and Fethard Water Supply Scheme is being developed for the purpose of providing a supply of treated water between Slievenamon and the old North Tipperary County border, serving a number of towns and villages in the area, including Fethard, Burncourt, Killenaule, Mullinahone and Ballingarry.</p> <p>The new Fethard Water Treatment Plant will be located in an area of commercial forestry approximately located approximately 7.6 km east-south-east of Fethard and will be designed to treat 6,500 m³ of raw water per day.</p> <p>The Fethard scheme will include the installation of abstraction works and a pumping station at the Anner River as well as the upgrading of 3 no. existing sources, located in the townland of Walshbog, approximately 5 km south-east of Fethard.</p> <p>Raw water will be stored on site at the Fethard WTP before gravity fed through a DAF clarification process. Treated water will be stored onsite in a twin cell reservoir which will supply the area by gravity.</p> <p>The new Burncourt Water Treatment Plant will be located at Glengarra Wood, 2 km northwest of the village of Burncourt, Co. Tipperary. The Burncourt scheme will include the construction of a new abstraction works on the Burncourt River with the intention of supplying 2,600 m³ of raw water to the treatment works per day.</p> <p>Raw water from the Burncourt River will be delivered to the treatment plant by gravity flow and stored on site before being pumped through a DAF clarification process. Treated water will be pumped to a nearby reservoir before being gravity fed to the existing water supply network.</p>		
Site location:	Fethard Water Treatment Plant, Cloran Old, Fethard, Co. Tipperary Co-ordinates: 52° 26' 53" N, 7° 35' 10" W	Burncourt Water Treatment Plant, Glengarra, Burncourt Co. Tipperary Co-ordinates: 52° 19' 28" N, 8° 6' 14" W	
Proportion of Project undertaken by the Applicant	100%	Tender entity (<i>Sole trader/ Joint Venture</i>):	Private Limited Company
VALUE Construction contract value at award stage including cost of services where applicable:	€ 9,625,611 (D & B) € 4,987,069 (O & M)	Construction contract value at completion (including cost of services where applicable):	N/A
GENERAL INFO Role of Company in delivery of Service:	<p><u>Scope of Works</u></p> <p><u>Burncourt Water Supply Scheme</u></p> <ul style="list-style-type: none"> • River Intake Works on the Burncourt River <ul style="list-style-type: none"> ○ Structural upgrade & renovation of the existing weir and wing wall and the provision of a new flow gauging station ○ New Intake Sump and Screens, ○ New Intake Building, ○ New raw water gravity main 		

- This intake works will supply the treatment works with 2,600 m³ of raw water per day
- Water Treatment Plant
 - A new in-situ concrete Raw Water Storage Tank (minimum 4 hour storage);
 - A pump-house adjacent to the Raw Water Storage Tanks containing:
 - 2 No. Raw Water Forward Feed Pumps (duty/standby) delivering 130 m³/hr @ 9.5 m from the Raw Water Tank to the Treatment Building
 - 2 No. Filter Backwash Pumps (duty/standby) delivering 336 m³/hr @ 17.2 m from the Clear Water Tank to the Treatment Building
 - 2 No. Treated Water High Lift Pumps (duty/standby) delivering 130 m³/hr @ 51.4 m from the Clear Water Tank to the reservoir site
 - A Water Treatment Plant building to accommodate water treatment plant and equipment, including but not limited to:
 - Water treatment process, plant and equipment
 - Mechanical and electrical equipment;
 - Control systems and equipment;
 - Control room;
 - Laboratory;
 - Offices including a dedicated STCC Office;
 - Switch room;
 - Canteen and welfare facilities;
 - Lightning protection;
 - Bulk chemical storage tanks and associated bunds
 - Sludge & wastewater holding tanks;
 - Treated water booster station
 - Treated water rising main
 - Supernatant discharge pipelines
- A DAF building, containing the main treatment tanks including
 - 4 No. Flocculation Tanks
 - 2 No. Dissolved Air Flootation (DAF) clarifiers
 - 4 No. Rapid Gravity Sand Filters (RGSF)
 - Filter Gallery containing remote I/O panel, analytical instrumentation, scour, backwash and treated water pipework
- A New, in-situ concrete, 2,600m³ Capacity Twin Celled Reservoir
- Scour and overflow pipelines
- Treated water gravity main from reservoir to existing network
- Associated site development works including:
 - Site Clearance including the provision of a 20m “firebreak” in forested areas
 - Access roads
 - Parking bays
 - Site Lighting
 - Site Surface Water Drainage, retention ponds, SUDS systems, outfalls etc.
 - Site Ducting
 - Site foul drainage
 - Site wastewater treatment unit
 - Interconnecting pipe work;
 - Ancillary chambers;

- Landscaping
- Tests on Completion
- Tests After Completion
- Training of Operation and Maintenance Staff

Fethard Water Supply Scheme

- Construction of a new intake works and pumping station on the Anner River
 - Upgrade/Renovation of Existing Weir including a new flow gauging station
 - Course and Fine Screening
 - Wet-well isolation stoplogs and penstocks
 - A pumping station building accommodating
 - 3 No. high-lift pumps (duty/assist/standby) each delivering 111.75 m³ @ 182.5 m, a total of 223.5 m, to the Water Treatment Plant raw water tank
 - Surge protection works
 - Raw water analytical instrumentation
 - Electrical Control Panel
 - River bank and flood protection works, including permanent and demountable defences
 - New raw water rising main
- Construction of a new intake works at Gortnapisha, capable of delivering 325 m³ of raw water per hour to Fethard treatment plant, including;
 - Coarse and fine screening
 - Compressed air scour
 - Upgrading of existing gravity main
 - Upgrading of access roads to the site
- Construction of a new intake works at Cloran, capable of delivering 45.5 m³ of raw water per hour to Fethard treatment plant, including;
 - Coarse and fine screening
 - Compressed air scour
 - Upgrading of existing gravity main
 - Upgrading of access roads to the site
- Construction of a new intake works at Walsh Bog, capable of delivering 19.5 m³ of raw water per hour to Fethard treatment plant, including;
 - Coarse and fine screening
 - Compressed air scour
 - Upgrading of existing gravity main
 - Upgrading of access roads to the site
- Fethard Water Treatment Plant
 - An in-situ concrete Raw water blending tank (minimum 4 hour storage)
 - A Water Treatment Plant building to accommodate water treatment plant and equipment, including but not limited to:
 - Water treatment process, plant and equipment
 - Mechanical and Electrical Equipment
 - Control systems and equipment
 - Control Room
 - Laboratory
 - Offices including a dedicated STCC Office
 - Switch room

- Canteen and welfare facilities
 - Lightning protection
- A DAF building, containing the main treatment tanks including
 - 4 No. Flocculation Tanks
 - 2 No. Dissolved Air Floatation (DAF) clarifiers
 - 4 No. Rapid Gravity Sand Filters (RGSF)
 - Filter Gallery containing remote I/O panel, analytical instrumentation, UV treatment unit, scour, backwash and treated water pipework
- Bulk chemical storage tanks and associated bunds
- A Sludge Dewatering room to accommodate sludge dewatering plant and equipment
- On-site in-situ concrete 6,500m³ Capacity Twin Celled Reservoir
- Scour and overflow pipelines
- Treated water gravity main from reservoir to existing network
- Associated site development works including:
 - Site Clearance including the provision of a 20m “firebreak” in forested areas
 - Access roads
 - Parking bays
 - Site Lighting
 - Site Surface Water Drainage, retention ponds, SUDS systems, outfalls etc.
 - Site Ducting
 - Site foul drainage
 - Site wastewater treatment unit
 - Interconnecting pipe work
 - Ancillary chambers
 - Landscaping
- Tests on Completion
- Tests After Completion
- Training of Operation and Maintenance Staff



	<p><u>Health & Safety Apects 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 		
<p>Name & address of Contracting Authority responsible for the project:</p>	<p>Irish water Webworks Eglinton Road Cork</p>		
<p>Contracting Authority contact name:</p>		<p>Phone no.:</p>	
<p>OTHER INFORMATION 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>			
<p>CONTRACTORS NAME:</p>	<p>Glan Agua Ltd.</p>		