

Compliance to Specification
Mobile Water Filled Flood Barrier Systems

Complete one per lot and proposed system

Company Tendering _____ [insert name of company]

Lot tendered for _____ Option _____ of _____ [lot number, x of y options tendered]

System Description _____ Protection height _____ [e.g. ACME water filled barrier, 0.8m]

Complete relevant sections below.

Section 1: General Requirements (Applies to All Lots)

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
1.1.a	Protection Height: Baseline nominal protection height range between 0.3m and 1.3m. State exact height of offered model.			
1.1.b	Wave Resistance and Freeboard: Documented wave resistance limits and safe operational freeboard allowance.			

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
1.2.a	Module Length: Physical linear length per individual module/section when fully deployed.			
1.2.b	Connectivity, Angles & Terminations: Inter-module coupling integrity and wall/masonry interfaces. <i>Tenderer must explicitly confirm and detail how the system accommodates acute layout paths down to 45° and obtuse angles greater than 90°.</i>			
1.3	Terrain Adaptability: Ability to conform to ground irregularities (tarmac, concrete, grass) and seal without permanent ground fixings.			
1.4	Overtopping Stability: Stability and anchoring integrity during overtopping events up to a minimum depth of 0.2m over the crest.			
1.5	Operating Environment & Durability: Suitability for fresh, salt, and contaminated water; structural resilience against floating debris impact.			
1.6	Consumable Asset List: Complete breakdown of all system consumables required for active deployments.			

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
1.7	Performance & Load Certification: Documented independent third-party testing, physical scaling/modelling, or field validation data verifying structural integrity under full hydrostatic head, calculated seepage/leakage rates, and resistance to dynamic debris impact as required by Part 2 and Part 3 of the Specification of Requirements (see Appendix 1).			

Section 2: Lot-Specific Technical Requirements

LOT 1: Water-Filled Mobile Barrier Systems (Pump-Dependent)

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
2.1.1	Dimensions & Weights: Dimensions and dry weight of individual modules, couplings, and ancillary deployment fittings.			
2.1.2	System Description: General system architecture overview and mechanical design profile.			
2.1.3	List of Components: Comprehensive checklist of all components required to build a functioning barrier run.			
2.1.4	Progressive Configuration: Suitability and workflow for systematic, progressive layout configuration along a deployment line.			
2.1.5	Personnel Requirements: Detail the recommended team size required to meet emergency deployment timelines for a 100m run, ensuring			

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
	total compliance with the 25kg individual manual handling limit mandated in Section 4.2.			
2.1.6	Fabric Durability: Resistance to punctures, severe abrasions, and tearing from debris or surface friction.			
2.1.7	Hydrostatic Stability: Engineering calculations demonstrating resistance to sliding, tipping, or rolling under full hydrostatic load.			
2.1.8	Redundancy Safety Features: Multi-chamber profiles, separate internal bladders, or weighted skirts preventing system-wide pressure loss if a single area suffers localized damage.			

LOT 2: Hydrostatic Self-Stabilising Water-Filled Barriers

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
2.2.1	Dimensions & Weights: Dimensions and dry weight of individual modules, technical textile runs, and fittings.			
2.2.2	System Description: Mechanical overview of water-activated self-deployment and hydrostatic self-anchoring functionality.			
2.2.3	List of Components: Comprehensive checklist of all components required to build a functioning barrier run.			
2.2.4	Rapid Deployment Capability: Fast, pump-free manual deployment metrics under rapid flash-flood conditions.			
2.2.5	Personnel Requirements: Detail the recommended team size required to meet emergency deployment timelines for a 100m run, ensuring total compliance with the 25kg individual manual handling limit mandated in Section 4.2.			

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
2.2.6	Fabric Durability: High-tensile technical textile data verifying puncture, tear, and debris impact resistance.			
2.2.7	Storage Logistics: Capability to be compactly folded or rolled to optimize vehicle transport and regional depot footprint.			

Section 3: Integrated Storage Equipment Requirements

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
3.1	Mobility & Rapid Deployment: Presence of forklift channels, pallet access, or integrated lifting eyes for rapid loading onto response vehicles.			
3.2	Environmental Protection: Weatherproof, UV-resistant, and pest-proof construction protecting materials from rot or dampness during storage.			
3.3	Ancillary Component Housing: Configuration of storage units to store connectors, tools, repair kits, and quick-start instructions alongside barriers.			

Section 4: Health, Safety and Environmental Compliance

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm your level of compliance with any additional remarks / notes necessary	For OPW Use Only
4.1	Safe System of Work (SSOW): Provision of a detailed lifecycle SSOW document covering safe emergency deployment, recovery, and cleaning.			
4.2	Manual Handling Thresholds: Verification that all components intended for single-person manual lifting do not exceed a dry weight of 25kg.			
4.3	Material Safety & Eco-Toxicity: Material verification certifying that components are non-toxic and will not leach pollutants/microplastics into ecosystems.			
4.4	Durability & Lifecycle Sustainability: Documented proof of a minimum 10-year storage life, a minimum of 10 deployments of 3 days, and clear end-of-life recycling pathways.			

Section 5: Delivery and Logistics

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm Level of Compliance & Remarks	For OPW Use Only
5.1	Ireland-Wide Delivery Scope: Capability to deliver directly to specified local authority or regional emergency depots. <i>(Must correspond to fixed rate submitted in Pricing Table C, Item 5.1)</i>			
5.2	Standard Replenishment Lead Time: Guaranteed delivery timeline from receipt of an official standard restocking order. Tenders must state the best available lead delivery time. Delivery lead time to be no longer than 8 weeks from the date of order.			
5.3	Emergency Call-Off Lead Time: Guaranteed priority delivery timeline for urgent emergency call-off orders.			
5.4	Import & Custom Duties: Verification of compliance with Irish customs procedures for cross-border freight. <i>(Must correspond to fixed rate submitted in Pricing Table C, Item 5.4)</i>			

Section 6: Training

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm Level of Compliance & Remarks	For OPW Use Only
6.1	Practical Training Sessions: Provision of comprehensive, "hands-on" operational crew training covering deployment, recovery, and care as detailed in Part 2 (Section 6) of the Specification of Requirements (see Appendix 1)..			
6.2	Training Programme Materials: Provision of English-language physical/digital operation manuals, high-quality instructional video media, and unit-affixed "Quick-Start" guides.			

Section 7: Warranty

Item	Description	Technical Offer Details (To be completed by Tenderer)	Confirm Level of Compliance & Remarks	For OPW Use Only
6.1	Warranty: A minimum 2 years parts and labour warranty must be provided for the proposals under each lot (Lot 1 & Lot 2)			

