

SPECIFICATION

1. General

Equipment Requirements

A specification has been produced for each piece of equipment required on the Framework and is detailed below.

If the product/service you offer does not fully comply with the written specification please indicate special features that enables the product to perform effectively. If you can demonstrate that you can supply a product that performs as effectively but uses different principles/materials please indicate this in your response and provide a concise informative explanation.

Tenderers are reminded that the award criteria will include the compatibility of products offered with FRS stowage requirements. This varies between Fire and Rescue Services, and for guidance Tenderers should note that:

- Products which exceed the stipulated maximum size will not normally be acceptable.
- Products with different dimensions to our current range of items may need to be tested to ensure that they are effective in operational situations and can be stowed securely. Where an item proves not to be suitable an alternative product should be available. If a contractor is unable to provide a suitable item at a comparable price, the Environment Agency reserves the right to source a suitable product from another provider.
- Additionally where appropriate, the product and/or equipment should be able to be used and deployed safely by operators wearing FRS protective gloves and clothing or similar protective equipment.

Tenderers should complete the following technical information in the Price Schedule (Appendix A). A link which contains a full specification sheet for each item to be supplied or a link to an online catalogue where this information is available should also be included.

- i) full description of product in columns provided
- ii) warranty period
- iii) product life (either shelf life or service life as appropriate)
- iv) maintenance charges and/or spares kit (inc. spares availability)
- v) delivery lead times
- vi) health and safety aspects

Completed schedules must be re-attached to your submission in excel format to permit further analysis. Please do not attach scanned or PDF version documents.

Environmental Impact/Additional Benefits

Please indicate for each item you wish to supply, the key materials used as part of the construction. For materials with a high sustainability impact, advise how this impact will be minimised. For example, if polypropylene is used in the manufacture of sorbent pads please indicate if this material is obtained through a recycled source and if so, the percentage contained within the product.

If using imported items, please advise where the material/products(s) are imported from and how the key sustainability impacts will be managed eg carbon footprint, manufacturing processes, labour issues etc.

Please advise if there are any further key environmental benefits/impacts in the construction of the particular product(s) you wish to supply.

Where you are able to offer similar (alternative) products that have a lower environmental impact ie re-usable, bio-degradable, recyclable, alternative materials etc. please include details and prices in the Price Schedule (Appendix A).

Packaging

It is important that suppliers minimise the use of packaging for the items that are delivered under the Framework. Packaging must be minimal while still protecting the products during delivery transit, be made from a sustainable source and be recyclable where it is practical to do so.

Disposal

Please indicate the preferred method of disposal of end of life equipment on the Price Schedule (Appendix A), particularly any sorbents that you wish to supply.

Where relevant, please indicate if you offer a take back service for some or all of the items that you supply once items come to the end of use.

Samples and Testing

Samples of the product(s) to be supplied may be required for evaluation or testing purposes. Tenderers must be prepared to submit a reasonable quantity of the item(s) without charge, within the time lines requested, during the tender process or prior to final award.

If a product(s) proves unsuitable for the intended purpose, does not meet specifications or FRS stowage requirements and the Tender is unable to provide a suitable alternative product within agreed timeframes, this may result in their removal from the tender process regardless of their offer for other products in the Lot or their price offer.

The Environment Agency shall not be liable for returning any samples supplied for the purposes of evaluation or testing

Whilst we will endeavour to assess product in a realistic test environment prior to acceptance, Tenderers should be aware that it is only possible to fully test and assess a product's performance in a live incident. Where an item proves not to be suitable an alternative product should be available. If a contractor is unable to provide a suitable item at a comparable cost, the Environment Agency reserves the right to source a suitable product from another provider.

2. PRODUCT SPECIFICATIONS

The products/services listed in the following section will form the basis of the **core list** of items available for call-off against the Framework. Exact specifications for each item will be agreed with the successful Tenderer(s) prior to Framework award.

Lot 1 Oil & Chemical Sorbents**

i) General Requirements

- All sorbents should comply with BS7959.
- The material contained within these products is to be inert, lightweight and dust free (non-linting).
- Where applicable, outer fabric must allow passage of product to be taken in but be of sufficient structure to fully contain the contents.

- Booms and pillows may be of either a fixed or loose fill nature, but must have a protective mesh type outer skin to improve durability. Secure non metallic fastenings should be located at such points as to allow the linking of booms to form gap free spans for larger watercourses.
- All other products covered under this Framework, other than sheets and rolls, must have secure loops and/ or fastenings to aid retrieval and/or permit items to be 'moored' during prolonged deployment.
- Sheets and rolls should be single thickness only.
- Preference will be given to products made from sustainable materials providing they offer acceptable performance and value for money.

ii) Colour Coding - Fire and Rescue Service sorbent requirements

- It's required that the colour of sorbents should be standardised to reflect their use in the Fire and Rescue Service and the Environment Agency for the term of the Framework.
- All sorbent products should be colour coded in line with British Standard 7959 pt 3.
- As a guide, the standard colours currently in use are blue oil sorbent products and yellow chemical sorbents, although this may be altered if products are manufactured from a sustainable material that can't be coloured.

iii) Oil Boom Requirements

- Operational demands require that booms must be able to retain their structure during long periods of deployment without disintegrating.
- The outer material must allow the passage of oil and be of sufficient structure to fully contain the contents.
- All products **must** retain their hydrophobic/oleophilic properties and structural integrity for a minimum of 14 days continuous use.
- Results of tests using the British Standard test procedure (BS7959), pt 1 and 2 under normal operating conditions, should be supplied to confirm products meet these minimum operational standards.

iv) Dimensions

Oil Sorbents

Pads/Sheets

- minimum size 45cm²
- single thickness

Rolls/Blankets

- length: 45-50mtr
- width: 50-100cm
- single thickness

Booms/Pillows

- individual section length between 1-5 metres with varying diameter/thickness
- booms should have **non metallic** fastenings securely fixed at either end to join booms together or to secure the boom to wooden stakes as in Lot 13 (e)

Chemical Sorbents

Pads/Sheets

- minimum size 45cm²
- single thickness

Rolls/Blankets

- length: 45-50mtr
- width: 50-100cm
- single thickness

Lot 2 Leak Sealing Products

2a) Leak Sealing Paste

- Product designed to temporarily seal holes in leaking drums, pipes and vessels.
- Single product resistant to both hydrocarbons and chemicals from strong acids to strong alkalis.
- Non-poisonous and flame resistant.
- Supplied ready mixed in individual wide necked, shatterproof plastic containers.
- Outer container must be able to be opened by people using Fire and Rescue Service issue gloves, or have alternative application method.
- All products supplied must have a minimum use by date of twenty four months from date of despatch.

Tenderers should specify the size to be offered, which should be approx. 400 - 500 grams.

2b) Leak Sealing Device

- Product designed to temporarily seal holes in leaking drums, pipes and tanks.
- The device should be resistant to hydrocarbons and chemicals from strong acids to strong alkalis and able to be easily operated by people using FRS gloves.
- The device should be suitable for use from a safe distance away from the leaking container due to the potential health and safety risks posed by inhaling or contact with hazardous substances

Tenders should specify to size range of the holes that the device can seal in the Price Schedule (Appendix A).

Lot 3 Drain Seal Equipment**

3a) Disposable/Single use Drain Sealing Mat

- Product designed to temporarily seal off drain grates to prevent ingress of liquid.
- Constructed from malleable bentonite clay or agreed suitable alternative.
- Both main surfaces of the mat should be covered with a removable material eg polyethylene membrane, to aid deployment.
- Mats will have integrated strength to maintain dimensional integrity while in use, but not so as to preclude cutting or joining together to protect a larger drain.
- The product must be suitable for use in high and low temperatures.
- To be packed in individual airtight packaging.

- All products supplied must have a minimum use by date of twenty four months from date of despatch.

Tenderers should specify the size of mats to be offered although it's anticipated that mats should be able to be deployed on all standard road and yard drain sizes with a minimum size of 45cm x 45cm or 65cm x 45cm.

Tenderers should specify the sizes of the products to be offered and the spares available in the Price Schedule (Appendix A)

3b) Inflatable Drain Sealing Device

- Product designed for inflation in drains or gullies to contain spills.
- All parts of the drain sealing device should have high chemical resistance, be resistant to hydrocarbons, be cold and heat resistant and be able to support a 5 metre head of contained liquid.
- The material they are made from should be of a robust enough to maintain functionality during long term and repeated use.
- The device must be able to be inserted up to 2 metres inside a manhole without the need to people to enter enclosed spaces. Manual or High pressure hose inflation methods will be considered, but the equipment offered must **be capable of being pumped up manually as a back up method and have a regulator to stop over inflation which ever method is used.**
- The inflation hose should be a minimum of 2 metres in length and extendable by parts.
- Each device is to be fitted with a shut off valve to enable inflation apparatus to be removed and leave the device in place.
- All parts for the drain sealing device eg carry bags, inflation pump, bags and inflation hoses should also be available individually as spare parts.
- Tenderers should specify the size/s to be offered, although it's anticipated that devices should be able to seal drains 10cm diameter and above.

Tenderers should specify the sizes of the products to be offered and the spares available in the Price Schedule (Appendix A)

Lot 4 Containment Booms

4a) Product designed to be used on the land to act as liquid containment barrier

- The boom should be designed for single use only as product being contained could vary between uses and cross contamination must be avoided.
- The boom should be constructed from polyethylene or similar material.
- The boom should be resistant to chemicals including to acids and alkalis and be suitable for use with flammable liquids or in combustible atmospheres.
- Be reasonably resistant to tearing to allow movement of the boom once deployed (partially or fully filled) eg by lifting end/or a proportion of the boom to allow it to moved to a better position.
- Must be clearly visible in sodium lighting; we anticipate that these be available in a bright colour to aid visibility.

- Unused the boom should be approx. 600mm wide with 2 water and airtight seams producing 3 longitudinal sections, ideally 2 wide sections and a narrow central section for stability, but other designs will be considered.
- The boom should be supplied in approx. 100m lengths but be suitable for cutting to shorter lengths if necessary; other lengths will be considered provided they can still meet existing stowage restrictions.
- Booms should have **non metallic** fastenings securely fixed at either end to join booms together or to secure the boom to wooden stakes as in Lot 13 (e).
- Be flexible enough to easily cut into smaller lengths (typically 10m) and fold down to fit into a Grab Pack (see lot 12 for size specification).

Tenderers should specify the actual size of product to be offered in Price Schedule (Appendix A), although it is anticipated that the products should be supplied as specified above or nearest equivalent.

4b) Product designed to operate on land to act as a liquid tight barrier and also suitable for use on water.

The boom should:

- Have a ballast configuration to form a seal on land, with airtight longitudinal seam(s) to produce a multi chamber boom suitable for containing major spills and firewater.
- Be manufactured from polyethylene or similar material.
- Be chemical and hydrocarbon and puncture resistance.
- Be suitable for use with flammable liquids or combustible atmospheres.
- Be available in a bright colour to aid visibility.
- Be on a reel or have another method of deployment for speed and ease of use.
- Have a safe method of carrying and be easy to use by people wearing FRS gloves.
- Have separate connectors to allow inflation with water/air.
- Be able to fit inside Fire and Rescue Service Environmental Protection Units, with all associated parts.
- Be approx. 1000mm wide un-inflated.
- Be supplied in 150 m lengths (not segmented); which can be cut to the length required; other shorter lengths will be considered provided they can still meet existing stowage restrictions and the sections be easily and quickly joined together to make a boom up to 150 metres long if required.
- Booms should have fastenings securely fixed at either end to join booms together or to secure the boom to wooden stakes as in Lot 12 (e)
- Be able to hold back liquid to a minimum depth/head of 40cm or higher if used on land.

Tenderers should specify the size of the product to be offered any accessories required to operate the boom, the spares available and any other maintenance costs in the Price Schedule (Appendix A).

4c) Product designed to be a reusable buoyancy boom for use on water to contain floating contaminants.

The boom should:

- Be constructed of a material resistant to hydrocarbons with integrated float sections and ballast to ensure it remains vertical in water with approximately 2/3 below the water surface and 1/3 above when in position.
- Be available in approx 3m lengths that can be securely joined to cross longer water courses.
- Have an overall height of approx. 250mm.
- Be flexible to aid stowage.
- Booms should have **non metallic** fastenings securely fixed at either end to join booms together or to secure the boom to wooden stakes as in Lot 12 (e).

4d) Spares for existing products

- The Environment Agency/FRS currently have a number of Oko Tek booms in service across the country that require spares parts or replacement lengths of boom to maximise their useful life and avoid un-necessary replacement.
- Tenderers should advise if they are able to supply the following spare parts for the Oko Tek product, either from the original manufacturer or a good quality suitable alternative product:
 - replacement double boom 150m lengths
 - PE clamps inc drive screws and couplings, 2 x 1000x25mm
 - couplings* B 2 ½ “ 4 aluminium
 - blind aluminium coupling
 - uncoiling reel with removable side component for introducing hose change 440mm x 1120mm
 - 30m Practise Hose
 - detail other spares available
- Tenders should provide details of the items they can offer on the price schedule, including a full specification for any substitute product offered.
- Acceptance of substitute items will be subject to testing of samples to confirm their compatibility and suitability.
- These items will be a supplementary offer to the core list items in sections a) – c) above and will not preclude you bidding for the core list items only. Bids **will not** be accepted for the items in section **d)** alone and should only be offered in conjunction with your bid for the core list items.

Lot 5 Self Erecting Pools

- product designed for rapid deployment under leaking tanks and vehicles, eg car and lorry fuel tanks
- constructed from polyethylene or similar hydrocarbon and low hazard chemical resistant material
- suitable for reuse
- the base to be reinforced and resistant to punctures or abrasions
- product is suitable for storage at high and low temperatures without deterioration
- product should be collapsible to aid stowage
- suitable protective carrying bags with handles should be available for each size of product to prevent damage in stowage and ease transport when off a vehicle
- products must be easy to remove from carrying bags by people using FRS issue gloves

- individual repair or replacement spare items should be available
- pool capacity should be within +/- 10L of the following sizes required
 - 130 litre capacity
 - 250 litre capacity
 - 1500 litre capacity

Tenderers should specify the sizes of the products to be offered and the spares available in the Price Schedule (Appendix A).

Lot 6 Rollover Tanks

- Product designed for rapid deployment under or alongside leaking road tankers to containing leaking hydrocarbons and chemicals from strong acids to strong alkalis.
- Should be between 6000- 7500 litre capacity.
- Constructed from polyethylene or similar hydrocarbon and chemical resistant material.
- Suitable for reuse.
- The base to be reinforced and resistant to punctures or abrasions.
- Product is suitable for storage at high and low temperatures without deterioration.
- Product should be collapsible to aid stowage.
- Suitable protective carrying bags with handles should be available for each size of product to prevent damage in stowage and ease transport when off a vehicle.
- Products must be easy to remove from carrying bags by people using FRS issue gloves.
- Individual spare items should be available.

Tenderers should specify the sizes of the products to be offered, chemical compatibility data and additional equipment needed to deploy them and the spares available in the Price Schedule (Appendix A).

Lot 7 Over Pack Drums**

- Designed to enclose damaged containers in a liquid and air tight environment.
- Constructed from low density polyethylene or similar material.
- Tenderers should specify the Packing Groups (CDG Regulations) the drum is suitable for containing.
- Over pack drums must be able to be handled and top tightened with a minimum of tools while user is wearing full chemical protective clothing; for health and safety reasons, drums must be able to be sealed without risk of damage to Personal Protective Equipment.
- The appropriate sized drum liners for these items to protect them from contamination are also required and should be quoted for.
- A range of sizes should be offered and must include standard kegs or drums of 25, 50 and 205 litres; ideally the 3 drum sizes should be able to be stored stacked inside one another.
- If any additional accessories are required to seal the drum, this item should be included in the Appendix A Price Schedule.

Tenderers should specify the sizes of over pack drums to be offered any additional equipment needed to seal them and costs in the Price Schedule (Appendix A).

Lot 8 Storage Tanks and Tank Liners

8a) Flexible Tanks and Tank Liners

- Self-supporting tank used for storing water, oils or low hazard chemicals.
- The tank should be open topped design and constructed of a durable polyester or similar material .Two sizes are required:
 - 1000-1500 litres capacity
 - 6000 - 7500 litre capacity
- Suitable for reuse.
- The tank should have a means of being secured to the ground designed into its structure.
- The base of the tank should be resistant to punctures and abrasions and be able to be stored at high and low temperatures without deterioration.
- Carry bags, with handles, to protect the tank during stowage and transport should be available.
- Liners are required to protect the tank structural material from contaminants while in use; these should be made of polyethylene or similar material and have a thickness of at least 150 micron.
- Tank liners and carry bags should be available as individual spares items.
- Individual spare items and repair kit should be available.

Note: If short listed you may be required to demonstrate the use of the tank with liner in place.

8b) Frame Tanks and Tank Liners

- Frame supported tank used for storing water, oils or low hazard chemicals.
- The tank should be open topped design and constructed of a durable polyester or similar material.
- Two sizes are required:
 - 1000 - 1500litres capacity
 - 6000 - 7500 litres capacity
- Suitable for reuse.
- The tank should have a means of being secured to the ground designed into its structure.
- The base of the tank should be resistant to punctures and abrasions and be able to be stored at high and low temperatures without deterioration.
- Carry bags, with handles, to protect the tank during stowage and transport should be available.
- Liners are required to protect the tank structural material from contaminants while in use; these should be made of polyethylene or similar material and have a thickness of at least 150 micron.
- Tank liners and carry bags should be available as individual spares items.
- Individual spare items and repair kit should be available.

Tenderers should specify the sizes of the products to be offered and the spares available in the Price Schedule (Appendix A).

Lot 9 Pumps

9a) Intrinsically Safe Portable Pump and accessories

- Pump to transfer liquids and/or firewater from tanks/containers/sewers or containment area on hard standing or a watercourse to a safe storage area.
- Designed to be intrinsically safe in potentially explosive and flammable atmospheres.
- A water driven pump is the preferred method of powering the pump. Other power sources will be considered providing they meet the design constraint above
- Pumps and accessories should be as small, compact and light as possible for easy transportation on Fire and Rescue Service vehicles which often have limited stowage capacity.
- Unit must be portable and suitable for rapid deployment in emergency situations.
- The Tenderer should advise the weight and dimensions of the unit including full details of presentation eg unit having frame, wheels, carry handles etc.
- Positive 2" displacement pump complete with hoses (non-collapsible suction hose minimum 10m and delivery hose minimum 20m) and vacuum attachments with ground nozzles, which are capable of pumping a range of chemicals and waste products including particulate matter up to 10mm.
- The unit should be constructed to enable the media to pass through the pump without restriction and have a minimum performance level of 25,000 litres/hour.
- If required to power the pump water supply couplings for the turbine must be compatible with standard fire service 62.5mm instantaneous couplings with spring loaded pressure release, inlet hose with male coupling, outlet hose with female coupling.
- If an alternative power source pump is proposed, it must come complete with all accessories/connections for operation with that power source. If additional equipment is required to power the pump, please provide details and costs in Price Schedule (Appendix A).
- A comprehensive operation and maintenance manual must be included with all units supplied.
- Please state noise level at 7 metres in db on the Price Schedule (Appendix A).
- The units and accessories should be available within ten working days of the order being placed. If this isn't the case, please advise why this is and what lead time will apply.
- The details of any warranties for the equipment, including an estimated lifespan of pump should be advised.
- A comprehensive spares service should also be available for the product you wish to supply.

Tenderers are required to provide details of the item, lead times and prices in Price Schedule (Appendix A).

9b) Small Portable Pump and accessories

- Small, portable and lightweight (maximum 25kg) pump, for example to allow fuel to be removed from leaking tanks to a safe containment system.

- The pump should be able to be operated by one person by mechanical or manual operation
- The pump must be able to be operated in areas of limited space, such as under vehicles or under tanks/bunds.
- The pump and all attachments/accessories must be safe for use to pump flammable liquids,.
- The pump and attachments should be resistant to hydrocarbons and chemicals from strong acids to strong alkalis and able to be easily operated by people using FRS gloves.
- The pump should be weatherproof so that it can be operated in all weathers. The tenderer should advise how their product meets this aspect.
- If powered the pump must be able to be run dry without damage to the pump
- The tenderer should advise:
 - the weight and dimensions of the pump including full details of presentation, eg unit having frame, wheels, carry handles etc
 - of any additional equipment needed to use the pump and any available accessories
 - how the pump is powered, for example hand pump, battery, electrical

Lot 10 Managed Service for Portable Pumps**

A comprehensive managed service including inventory, maintenance, repair, spares and replacement parts service is required for the portable pumps currently in service with Fire and Rescue Services throughout England.

i) Inventory and Maintenance Management

- Develop and maintain a register of all existing peristaltic pumps held by Fire and Rescue Services in England, including base location, asset/serial number and purchase date as minimum information. Exact format of the register will be agreed with the Framework Manager at the Framework start up meeting.
- Assess current status of all pumps in service to develop a planned repair/maintenance programme.
- Prepare initial condition report for all pumps identified with prioritised maintenance schedule for year 1.
- Maintain a log of planned servicing and ad hoc repairs for all pumps, including any new equipment brought into service or decommissioned during the term of the framework.

ii) Annual Service Programme

- Provide a planned annual service programme to provide preventative maintenance for pumps in service to be carried out at the base location of the pump(s).
- Programme will be agreed annually with the nominated Environment Agency contact.
- It will be the responsibility of the supplier to contact individual sites to arrange visits. A list of contacts will be provided at the start up meeting.
- Servicing will usually be carried out at FRS premises throughout England, although it may be necessary to service pumps at alternative sites occasionally.

- Contractors must maintain a high standard of Health and Safety whilst working in or on operational FRS sites both for their own or any sub-contacted staff.
- Operatives will be required to present a smart, professional appearance, comply with all rules, regulations and instructions for the site and be polite and courteous at all times.
- A record of all services planned and completed, including any additional repairs undertaken, should be kept per the requirements in a) above.
- The annual service should be designed to:
 - Comply with manufacturers maintenance guidelines.
 - Maximise the life span of the pump.
 - Thoroughly service the pump to minimise the risk of breakdown and ensure the pump continues to operate in a safe and efficient manner for a period of twelve months.
 - Replace defective or routine consumable parts/sundries as necessary.
 - Identify and report any safety issues or operational defects found to the nominated site contact and Environment Agency contact. A recommended course of action with cost estimate should be provided.
 - Costs for any additional repairs outside agreed servicing costs must be provided prior to ordering any components or undertaking the repair and be agreed by an authorised officer for the customer prior to undertaking the repair.
 - All services should be signed off by an authorised officer at the site location upon satisfactory completion.
 - Tenderers must be able to evidence the ability to provide a robust, planned approach to providing this service in the most cost effective and sustainable manner.

iii) Reactive Call-out/Repair Service

- Service to provide reactive maintenance/repair of pumps at FRS, premises or whilst deployed on incident sites throughout England.
- Tenderers must be able to provide an efficient and competent nationwide call-out service. Attendance at site by a suitably qualified engineer and repair made **within 5 working days** of the initial request for assistance.
- If repairs are not possible within this time frame a reason for this and a realistic achievable repair date should be provided to the nominated person.
- Costs for all repairs must be provided prior to ordering any components or undertaking any repair. All costs must be agreed by an authorised officer for the customer prior to undertaking the repair.
- The same site working conditions stated in point b) above will apply to all staff or sub-contractors providing this service.

All prices for maintenance and repair services should be quoted excluding parts and other consumables in Price Schedule (Appendix A).

iv) Supply of spares/accessories including the following items:

- suction and discharge hoses
- small section filter approx. 150mm diameter, with connection for hoses
- vacuum head attachment, with connection for hoses

- disc Strainer, with connection for hoses
- please specify other appropriate spares you are able to offer

Prices for spares and consumables should be included in the Price Schedule (Appendix A).

v) Training

- Develop and maintain a training programme for basic pump maintenance to be rolled out to individual FRS brigades.
- Tenderers should provide details on what form of training they are able to offer, suggested content and the training materials available to support this eg on site practical learning, eLearning, DVDs, manuals etc.
- It is expected that formal training courses will be held at a number of designated FRS Premises throughout England. The numbers and locations of these venues will be confirmed after Framework award.
- Costs should be provided on the basis of a full day course and include training materials and travel costs for an appropriately qualified trainer.

Prices for development and delivery of the training should be included in the Price Schedule (Appendix A)

vi) General

- The successful Tenderer will be required to attend a start up meeting with the Environment Agency Framework Manager shortly after award to agree arrangements for the services above. A convenient location for the meeting will be agreed at this time.
- A copy of the log for servicing and repairs should be available for inspection by the Environment Agency Framework Manager at any time. A copy of the report should be provided to the Environment Agency Framework Manager on a quarterly basis by the 15th of the following month, with a full report being provided annually.
- Tenderers should be aware that other Partner organisations may request a similar service for peristaltic or other similar pumps they have in service through this Framework but this will be arranged with the individual organisations.
- Tenderers should be aware that all the current pumps in service are of the water driven turbine type but pumps driven by other power sources may be introduced over the Framework period. Tenderers will be required to incorporate these into the Managed Service as new pumps are purchased.

Lot 11 Spill Kit Grab Pack Bags

Bidders for Lot 11 for the supply of Grab Pack Bags should be aware that the quantity of bags required over the term of the framework is anticipated to be low. The Environment Agency is able to commit to a reasonable minimum order quantity if required to be held by the supplier for call off.

Spill kit grab packs are carried on front line FRS appliances across the country. They are designed to provide initial containment from spills at incidents.

It is anticipated that the bag will be supplied empty to be filled/replenished with the required equipment by individual users.

- Robust construction bag to be used to carry emergency spill kit equipment in incidents by Environment Agency staff and on FRS vehicles.
- Bag must be suitable for multiple use in wet environments and suitable for re-stocking with equipment as necessary.
- 50cm x 50cm x 20cm deep with a strong and secure adjustable shoulder strap, similar to a newspaper delivery bag.
- The bag must be no larger the specified dimensions and no more than 5mm smaller on any single dimension to enable storage in the designated area of the fire service appliances and carry the necessary equipment.
- The bag must be top opening with a secure means of fastening.
- Hard wearing, flexible waterproof material to enable the bag to be re-used.
- Colour should be green (Forest Green or similar), with high visibility/reflective strips.
- Bags are to be available with either white printing, script and logos, to be supplied to successful Tenderer, or with a secure clear fronted pocket on the front to enable an A4 sized sheet to be inserted.
- Partner organisations may have their own specifications for logos and material colour which will be agreed at the time of ordering with that organisation. The Environment Agency will not be responsible for any stock of these bags held for partner organisations.

Costs/minimum order quantities are to be submitted in Pricing Schedule (Appendix A).

Lot 12 Sundry Items

12a) Plastic Bags

- Clear disposable 500 gauge polythene bags.
- Size approximately 1200mm x 1800mm open on one short side.
- Pack quantity to be advised but orders will be approx. 100 bags per order.

Costs/minimum order quantities are to be submitted in the Pricing Schedule (Appendix A).

12b) Adhesive Tape

- White 50mm x 60m (approx length) waterproof adhesive tape.
- Must be suitable for use in all weather conditions and high and low temperatures.
- Ten mm printing and logos in Pantone 574; exact script and logos will be provided at Framework award.

Partner organisations may have their own specifications for logos and pantone colour which will be agreed at the time of ordering with that organisation. The Environment Agency will not be responsible for any stock of tape held for partner organisations.

Costs/minimum order quantities are to be submitted in Pricing Schedule (Appendix A).

12c) Hazard Warning Diamonds

- 10cm self adhesive labels.
- For the use in the storage and transport of hazardous goods and dangerous substances.

- Should conform to current ADR (for road) requirements.
- The labels should identify all nine different classifications of hazardous goods and dangerous substances.
- Labels should be resistant to fading or peeling.
- The labels should be available for ordering by individual hazard type.

Costs/minimum order quantities for each version to be submitted in Pricing Schedule (Appendix A).

12d) Cable Ties

- Single use plastic cable ties.
- Please specify width/lengths above approximately 4.5mm x 250mm and colours available.
- These must be sturdy enough for easy use by fire fighters wearing protective gloves.

Costs/minimum order quantities for each version to be submitted in Pricing Schedule (Appendix A).

12e) Wooden stakes

- Intended for use securing booms (sorberent and fence booms) while in use.
- Wooden stakes of minimum dimensions 75mm² cross section x 500mm; with one end shaped to ease penetration into the ground. The stakes should be able to be with stand the impact of being knocked into hard ground without breaking or splintering.
- Stakes must be produced from FSC certified timber.

Pack quantities, costs and minimum order quantities to be submitted in Pricing Schedule (Appendix A).

12f) Drain Tracing Dye

- Coloured dye designed to be used to show liquid flow in drains and pipes to determine where outfalls from drainage systems emerge.
- Products must breakdown rapidly and be safe for use in environmentally sensitive areas and present minimal risk to fish and other aquatic fauna and flora.
- Liquid and powder products will be considered and a range of colours should be available.
- Full data/manufacturers' sheets must be provided to substantiate the products' suitability prior to acceptance onto the framework.

Costs/minimum order quantities for each version to be submitted in Pricing Schedule (Appendix A).

End of Specification