**Evaluation criteria and requirements of the system (Part D of the Bid template for lot 6)**

The oil trawl net system (hereinafter referred to as “the system”) must offer the possibility of recovering heavy oil from the sea, floating up to 1 meter below the surface (suppliers offering options for oil floating deeper below the sea surface would be evaluated higher).

The system should consist of a floating guiding devise (guide booms which may be inflatable) to increase the intake of the system and to facilitate the operation of a filtering net (“cod-end”), able to contain (minimum) 5 tons of oil and/or debris before it is hoisted and retrieved back on board an oil recovery vessel.

The system must include all ancillaries necessary for its autonomous operation on board a vessel (i.e. guide boom, “code-end”, reel(s), power unit(s), air compressor(s), hydraulic and air hoses, towing arrangement, boom vane etc.). Thereby the necessary power supply must be foreseen. All suitable components should be hydraulically driven. The systems should be certified to operate in Hazardous Area Zone II according to the ATEX directive (ATEX 94/9/EC) or similar.

The whole system must be designed in such a way that it can be installed and operated (deployed and retrieved) on deck of any vessel without any specific or customised pre-fitting.

The system must be easy to manoeuver and designed to be quickly deployed by/from one vessel without any external support. Therefore, a hydraulic storage reel (winder) or similar arrangement to facilitate deployment and retrieving of the whole system, including the guide booms and “cod-end”, should be foreseen.

The system must be designed for operation in open sea. In terms of breaking strength (BS), the towing lines should have a lower value than the connectors (e.g. shackles) and around 75% of the boom value.

The net should be especially designed to drag any oil that could not be pumped (emulsified or dispersed) along with debris floating on the sea surface.

Once the “cod-end” has been retrieved on board an oil recovery vessel, it should be able to be reconditioned and/or reused quickly. The complete system, containing all necessary equipment items for its autonomous operation on board a vessel (i.e. guide boom, “cod-end”, reel(s), power unit(s), air compressor(s), hydraulic and air hoses, towing arrangement, boom vane etc.) must be offered in suitable container(s) to facilitate transportation and storage.

The system should be easily maintained.

**Please complete the space highlighted in grey in the tables below:**

|  |  |
| --- | --- |
| **Indicate the name of the system that is offered:** |  |

1. **SELECTION CRITERIA**

**Tenders not complying with all the following selection criteria will not be evaluated further:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item N.** | **SELECTION CRITERIA** | **Compliance**  **Yes/No** | **COMMENTS** |
|  | | | |
| 1 | The system offers the possibility of recovering heavy oil from the sea floating up to 1 meter below the surface. |  |  |
| 2 | The system is easy to manoeuver and designed to be quickly deployed by/from one vessel without any external support. |  |  |
| 3 | The system is stored and transported in suitable container(s). |  |  |
| 4 | Towing lines breaking strength < connectors. |  |  |
| 5 | The system has a proven record of use in open sea. |  |  |
| 6 | Minimum warranty period of 2 years. |  |  |
| 7 | The system includes all ancillaries necessary for its autonomous operation on board a vessel (i.e. guide boom, “code-end”, reel(s), power unit(s), air compressor(s), hydraulic and air hoses, towing arrangement, boom vane, etc.) and the necessary power supply is foreseen. |  |  |

1. **QUALITY CRITERIA AND DESCRIPTION OF THE EQUIPMENT**

Bids shall be evaluated in accordance with the Quality Award Criteria (Qi) and their associated weightings (Wi) as described here below:

|  |  |  |
| --- | --- | --- |
|  | **Quality and appropriateness of the system for the EMSA pollution response services based on the information provided below** | **25%** |

**Please provide the following information relevant for the evaluation of this quality criterion:**

* Provide design, materials, total weight and characteristics of 1 complete system including all necessary ancillaries for its autonomous operation on board a vessel (i.e. guide boom, “code-end”, reel(s), power unit(s), air compressor(s), hydraulic and air hoses, towing arrangement, etc.).
* Indicate if the equipment or part of it is certified under a quality standard or has an equivalent certification (if yes, please specify):
* Describe the limitations of the equipment during an operation conducted in open sea (i.e. maximum operating speed, critical towing speed, any Sea/wave working limits, etc.):
* Indicate how many tons or m3 of oil products, tar balls etc. the system can recover and up to which depth below the sea surface the system can recover:

|  |  |  |
| --- | --- | --- |
|  | **Quality of the proposed arrangement for the storage, transportation and operation of the system based on the information provided below** | **10%** |

**Please provide the following information relevant for the evaluation of this quality criterion:**

* Describe if the system allows for a rapid deployment and retrieval from a vessel (indicative times):
* Specify the quality, type and characteristics of the container(s) for storage and transportation of 1 complete system including all necessary ancillaries for its autonomous operation on board a vessel (i.e. guide boom, “code-end”, reel(s), power unit(s), air compressor(s), hydraulic and air hoses, towing arrangement, etc.).
* Description of options for handling and operation of the system (indicate minimum number of people to safely operate the system):
* Indicate the clear deck space and ancillaries (i.e. cranes indicating lifting capacity) required for deployment and retrieval of the system:

|  |  |  |
| --- | --- | --- |
|  | **Complexity of the maintenance requirements for the system based on the information provided below** | **5%** |

**Please provide the following information relevant for the evaluation of this quality criterion:**

* Describe the requirements that are necessary for the maintenance of the equipment (equipment requiring simpler maintenance will be evaluated higher):

|  |  |  |
| --- | --- | --- |
|  | **Completeness of the repair tools and spares for the system based on the information provided below** | **10%** |

**Please provide the following information relevant for the evaluation of this quality criterion:**

* Indicate the complete list of spare parts delivered with the system and included in the price offer:

|  |  |  |
| --- | --- | --- |
|  | **Efficiency of the system based on the information provided below** | **20%** |

**Please provide the following information relevant for the evaluation of this quality criterion:**

* List and describe the types of oil products the system is designed to recover. Indicate the recovery capacity of the system and efficiency in relation to water intake (percentage of oil versus water). Higher rates will be evaluated higher:
* To support the description of the performance of the equipment you may provide evidence such as records of tests, sea trials and real operation:

|  |  |  |
| --- | --- | --- |
|  | **Quality of the factory acceptance test (FAT) based on the information provided below** | **10%** |

**Please provide the following information relevant for the evaluation of this quality criterion:**

* Describe the methodology that is adopted to test the equipment during FAT:

|  |  |  |
| --- | --- | --- |
|  | **Quality of the plans for Commissioning and Training based on the information provided below** | **5%** |

**Please provide the following information relevant for the evaluation of this quality criterion:**

* Describe the equipment (for the full set of items) and describe the methodology for commissioning on board a vessel:
* Describe provision of two day on-site training including theoretical and practical training and describe the methodology for training:

|  |  |  |
| --- | --- | --- |
|  | **Duration of the**  **extended warranty and efficiency of the post-sale service based on the information provided below** | **10%** |

**Please provide the following information relevant for the evaluation of this quality criterion:**

* Indicate terms and conditions of the extended warranty (in addition to the minimum warranty of 2 years):
* Describe the post-sale service:

|  |  |  |
| --- | --- | --- |
|  | **Quality, appropriateness and completeness of other ancillaries offered (different from those considered necessary)** | **5%** |

**Please provide the following information relevant for the evaluation of this quality criterion** **that is evaluated as an advantageous point.**

* Provide a description of any “other ancillaries” different from the necessary ancillaries as previously indicated in Point 2 – Quality criterion Q1, Q2 and Q4 of this annex. Offers including more ancillaries that are relevant to the operation of the equipment will be evaluated higher.

1. **PRICE OFFER TEMPLATE**

Bids shall be evaluated in accordance with the Prices for Evaluation (Pi)and their associated factor (Fi) as described here below:

| **Factor (Fi)** | **LIST OF PRICES FOR EVALUATION** | | | | **PRICE in EUR (Pi)** |
| --- | --- | --- | --- | --- | --- |
| 1 | Price for each individual item that is part of the system and can be purchased individually. (i.e. guide boom, “code-end”, reel(s), power unit(s), air compressor(s), hydraulic and air hoses, towing arrangement, etc.) as described under Point 2 – Q1. |  | **NAME** | |  |
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|  |  | |  |
|  | *(add more lines if needed)* | |  |
| 1 | Price of container(s) for storage and transportation of 1 system including all necessary ancillaries for its autonomous operation on board a vessel (i.e. guide boom, “code-end”, reel(s), power unit(s), air compressor(s), hydraulic and air hoses, towing arrangement, etc.) as described under Point 2 – Q2. | | | |  |
| 1 | Price of repair tools and spares for the system as described under Point 2 – Q4. | | | |  |
| 2 | Price for the purchase of a complete system including all the items listed above in this table (all the individual items + container(s) for storage and transportation + repair tools and spares). | | | |  |
| **Factor (Fi)** | **LIST OF PRICES FOR EVALUATION (continuation)** | | | | **PRICE in EUR (Pi)** |
| 2 | Price for on-site commissioning of the full system of equipment as described under Point 2 – Q7 | | | |  |
| 4 | Price for a two day on-site training as described under Point 2 – Q7 | | | |  |
| 2 | Price for attendance to the operational acceptance test upon delivery of the equipment | | | |  |
| 2 | Transportation of 1 complete system (all the individual items + Container(s) for storage and transportation + repair tools and spares) | | | Price per 1 km (Road transport) will be multiply by a 1,000 kilometres for evaluation proposes |  |
|  |
| **Total for evaluation (∑Pi x Fi)** | | | | |  |

Tenderers are invited to fill in the table below with the prices of “other ancillaries” (i.e. containers for used equipment, etc.) as listed under Quality criterion N.9. These prices will not be considered for the evaluation process. Nevertheless these prices will become part of the contract. EMSA may decide to purchase “other ancillaries” on the basis of the prices indicated below. Please add more lines if it is necessary.

| **Item**  **N.** | **LIST OF PRICES FOR OTHER ANCILLARIES (NOT FOR EVALUATION)** | **PRICE in EUR** |
| --- | --- | --- |
|  |  |  |
|  |  |  |
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