**TECHNICAL PROPOSAL**

**Designation and description of test method:**

***A stainless-steel washer for petroleum-contaminated bottles, ATEX-certified for Ex areas.***

**In view of the qualification and technical requirements provided by the Buyer, the Supplier shall fill in the below tables:**

*Table 1*

**Qualification and technical requirements applicable to laboratory equipment**

| **Item No** | **Criterion** | **Requirement [specify]** | **Information provided by Supplier** |
| --- | --- | --- | --- |
| 1. | Qualification of Supplier’s employees | Provide documented information that the Supplier's employees or those of its subcontractors have been properly trained to commission the respective equipment. |  |
| 2. | Suitability of equipment for tests according to required test method: ***A stainless-steel washer for petroleum-contaminated bottles, ATEX-certified for Ex areas.*** | Submit manufacturer's technical documentation or certificate proving that equipment is suitable for tests according to the said test method. |  |
| 3. | Deadline for commissioning | The term for commissioning the equipment is max 60 days. |  |
| 4. | Warranty terms and conditions | Not less than 12 months; provide the terms and conditions for after-sales service for warranty periods longer than 12 months. |  |
| 5. | Supplier's response time during the warranty period. | Response time (arrival at the Refinery if there is no other way of fixing faults) during the warranty period is max 72 hours. |  |
| 6. | Submit equipment safe operation manual (document) in the English/Lithuanian language (preferably in Lithuanian). | Undertake to present the safe operation manual (document) in the English/Lithuanian language (preferably in Lithuanian) together with the supplied equipment. |  |
| 7. | Pre-commissioning/commissioning and training to be provided after the delivery of the equipment. | Undertake to perform pre-commissioning/commissioning and training after the delivery of the equipment. |  |
| 8. | Transfer of information relating to maintenance and repair of equipment to the equipment maintenance technicians of the QA/QC Center after the expiry of the warranty period. | Undertake to submit information relating to maintenance and repair of equipment to the equipment maintenance technicians of the QA/QC Center after the expiry of the warranty period. |  |
| 9. | Delivery term | Preferred delivery – by 1 October 2026. |  |

*Table 2*

**Special technical requirements applicable to equipment**

| **Item No** | **Characteristics** | **Limit values, UoM [indicated]** | **Limit values, UoM (to be specified by Supplier)** |
| --- | --- | --- | --- |
| 1. | **Equipment type:** | | |
| Automatic | Automatic |  |
| Semi-automatic | X |  |
| Manual | X |  |
| **Equipment manufacturer, model** | Niagara Series 100: Model 16 or similar washer |  |
| 2. | Software | X |  |
| 3. | Measuring range, accuracy | X |  |
| X |  |
| X |  |
| X |  |
| X |  |
| X |  |
| 4. | **Sample injection system:** | | |
| Automatic | X |  |
| Separate system | X |  |
| Manual | X |  |
| 5. | **Heating/cooling system** | X |  |
| 6. | **Connection to other equipment, auxiliaries:** | | |
| Computer | X |  |
| Keyboard | X |  |
| Printer | X |  |
| Computer network via LAN | X |  |
| Wires | Wires & connectors needed to connection equipment into a single unit. |  |
| 7. | **Auxiliaries:** | | |
| Stainless-steel construction | Yes |  |
|  | Detergent dosing pump | Yes |  |
|  | Hot-air drying cycle | Yes |  |
|  | Automatic valves and air dampers | Yes |  |
|  | Controller for program selection and programming | Yes |  |
|  | Washing pump with a power rating of at least 1 kW | Yes |  |
|  | Washing pump capacity of 90 L/min | Yes |  |
|  | Tray for bottles with 64 mm diameter, accommodating 64 or more bottles | Yes |  |
|  | Tray for bottles with 108 mm diameter, accommodating 25 or more bottles | Yes |  |
|  | Rubber components and seals resistant to diesel, gasoline, and other petroleum products | Yes |  |
|  | Hoses, pipes, and other materials for connection to the existing system | Yes |  |
| 8. | **Calibration and verification:** |  | |
| At the QA/QC Center | X |  |
| Manufacturer’s calibration and CRM verification certificates | X |  |
| 9. | A set of spares for 12 months | X |  |
| 10. | Computer | X |  |
| 11. | Printer | X |  |
| 12. | Certified reference material | X |  |
| 13. | **Gas cylinder required (purity class):** | | |
| He | X |  |
| O2 | X |  |
| H2 | X |  |
| Ar | X |  |
| 14. | **Sampling equipment for:** | | |
| Liquefied petroleum gas | X |  |
| Liquids | X |  |
| Petroleum gas | X |  |
| Other [specify] | X |  |
| 15. | **Equipment for preparation of test samples:** | | |
| Homogenizer | X |  |
| Shaker | X |  |
| Other [specify] | X |  |
| 16. | **Balance:** | | |
| Micro-analytical | X |  |
| Analytical | X |  |
| Technical | X |  |
| Other [specify] | X |  |
| 17. | **Dimensions:** | | |
| Height | ~2.2 m |  |
| Width | ~1.0 mm |  |
| Length | ~0.8 mm |  |
| Voltage | 230 V, 50/60 Hz, Europe |  |
|  | Total power | ~6 kW |  |
| 18. | Occupational safety requirements | X |  |

*Table 3*

**General information on the offered equipment**

|  |  |
| --- | --- |
| **Information required** | **Information provided by Supplier** |
| Name/model of equipment |  |
| Information about the manufacturer, country of origin, language of the user manuals, passport |  |
| Confirmation that the equipment complies with the requested test method; additional test methods that the offered equipment complies with. |  |
| A summary of the technical/operational characteristics, highlighting the advantages of the offered equipment. |  |

*Table 4*

**Detailed description of the equipment set, additional equipment and auxiliaries.**

**(to be specified by Supplier)**

|  |  |
| --- | --- |
| **Name** | **Quantity, units** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
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|  |  |

*Table 5*

**Recommended set of spares and consumables for 1 year**

**(to be specified by Supplier)**

|  |  |
| --- | --- |
| **Name** | **Quantity, units** |
|  |  |
|  |  |
|  |  |
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