## 2.5 COMPLIANCE MATRIX FOR TECHNICAL OFFER

| RFQ 628017-SB – Long Term Agreement for the Supply of Optically Stimulated Luminescence (OSL) Systems to various Destinations, including Installation and Training | | | |
|---|---|---|---|
| **Ref.** | **Specifications Requirements** | **Compliant Yes/No** | **Bidder's comments** |
| **4.1** | **Equipment Requirements** | | |
| 4.1.1 | OSL dosimeter reader with software and accessories | | |
| 4.1.2 | OSL dosimeters for individual monitoring and environmental monitoring, including cards and holders | | |
| 4.1.3 | one (1) set of quality control kit | | |
| 4.1.4 | one (1) set of calibration card | | |
| 4.1.5 | an Uninterrupted Power Supply (UPS) | | |
| 4.1.6 | a power stabilizer | | |
| | | | |
| **4.2** | **OSL Dosimeter Reader** | | |
| 4.2.1 | Shall be compatible with the OSL dosimeters as stated in Section 4.3 | | |
| 4.2.2 | have a processing speed for the dosimeters not lower than 200 pcs/per hour | | |
| 4.2.3 | Shall be compatible with the OSL dosimeters as stated in Section 4.2 | | |
| 4.2.4 | the range shall be seven decade | | |
| 4.2.5 | Stability shall be as per line 5 of Table 13 in the IEC 62387 Edition 2.0 2020-01 | | |
| 4.2.6 | Electrical Power shall be 100 - 240 V, 50 - 60 Hz | | |
| 4.2.7 | shall include one (1) PC with an operational system | | |
| 4.2.8 | shall include operational software; | | |
| 4.2.9 | shall include a user manual; | | |
| 4.2.10 | shall include a power cable kit; | | |
| 4.2.11 | shall include one (1) barcode reader | | |
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| **4.3** | **OSL Dosimeters for Individual Monitoring** | | |
| 4.3.1 | shall measure Hp(10) and Hp(0.07) for gamma, X ray and beta radiation | | |
| 4.3.2 | shall be compatible with the OSL dosimeter reader as indicated in Section 4.1 | | |
| 4.3.3 | Photo energy measurement ranges for the dosimeters shall be:<br>(i) For Hp(10): 20 keV to 1.25 MeV; and | | |

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| | (ii) For Hp(0.07): 20 keV to 1.25 MeV | | |
| 4.3.4 | Beta energy measurement ranges for the dosimeters (i) For Hp(10) and Hp(0.07) shall be 250 keV to 2 MeV | | |
| 4.3.5 | OSL dosimeters for measuring H*(10) for environmental monitoring; | | |
| 4.3.6 | Dosimeter's Relative response due to nonlinearity shall be:<br>(i) For Hp(10): –13 % to +18 % within 0.1 mSv to 1 Sv; and<br>(ii) For Hp(0.07): –13 % to +18 %, within 1 mSv to 3 Sv | | |
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| **4.4** | **Accessories compatible with the Reader and Dosimeters** | | |
| 4.4.1 | One (1) OSL dosimeter annealer | | |
| 4.4.2 | One (1) set of calibration kit | | |
| 4.4.3 | One (1) set of quality control kit | | |
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| **5** | **Marking** | | |
| | All safety markings in the English language | | |
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| **6** | **Packing** | | |
| | The Equipment, for the shipment by air to the End-User, shall be packed in accordance with international standards that are applicable for the shipment by air of this kind of equipment | | |
| | | | |
| **7** | **Quality Requirements** | | |
| 7.1 | The Equipment shall be manufactured and shipped in accordance with the Contractor's ISO quality assurance system or an equivalent quality assurance system | | |
| 7.2 | The Contractor shall document the compliance with this quality assurance system | | |
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| **8** | **Testing and Acceptance** | | |
| | The Equipment, prior to shipment, shall be tested for conformance of the equipment with manufacturer's performance specifications and the minimum requirements specified herein | | |
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| **9** | **Installation and Training** | | |

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|---|---|---|---|
| 9.1 | The Contractor shall install the Equipment at the site of the End-User or provide remote installation support | | |
| 9.2 | The Contractor shall provide a one (1) day training for up to three (3) staff of the End-User in the operation and maintenance of the Equipment at the End-User's location or virtually, immediately after the installation of the System | | |
| | | | |
| **10** | **Deliverable Data Items** | | |
| | The Contractor shall provide two (2) complete sets of operation and servicing manuals and technical drawings in the English language and/or in a language as determined on individual case basis | | |
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| | **ANNEX 1**<br>**ACCESSORIES /OPTIONS** | | |
| | | | |
| 1 | OSL Dosimeter for x, gamma, beta radiation | | |
| 2 | Environmental OSL dosimeter, for X, gamma, beta radiation | | |
| 3 | Manual OSL dosimeter reader | | |
| 4 | Automatic OSL dosimeter reader | | |
| 5 | OSL dosimeter eraser | | |
| 6 | OSL dosimeters for quality control of the OSL reader | | |
| 7 | OSL dosimeters for calibration of the OSL reader | | |
| 8 | OSL dosimeter badge | | |
| 9 | OSL dosimeter detector | | |
| 10 | Annealer for OSL dosimeters | | |
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