**ATTACHMENT 1 - COMPLIANCE MATRIX FOR TECHNICAL PROPOSAL**

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| **RFQ NO. 232306-AM**  **WATER CLEANING SYSTEM FOR THE FOSSIL GROUNDWATER**  **RESOURCE AT MANASHEER, JORDAN** | | | |
| **SOW Ref.** | **Requirements (for guidance only; see SOW for full details)** | **Compliant (Yes/No)** | **Bidder’s References to the Technical Proposal and Additional Comments** |
| Qualification  1 | The Proposal describes how the Bidder, if awarded the Purchase Order, can gain legal entrance to Jordan in a timely manner, including the acquisition of visas for its staff and/or subcontractor(s), if applicable. Any difficulties and/or other risks associated with the entry into Jordan and/or carrying out work in Jordan have been highlighted by the Bidder and mitigation measures are described. |  |  |
| Qualification  1/3.2 | The Proposal includes evidence that demonstrates the Bidder’s ability to deliver and commissioning a working turnkey solution for removing radioactive isotopes, particularly Radium isotopes, from groundwater. This may include references from previous installations, and/or technical studies of system functionality. |  |  |
| 3.3 | The Bidder, if awarded the Purchase Order, shall provide the System ready for pick-up at the Contractor’s premises or warehouse based on Incoterms FCA Supplier’s Warehouse |  |  |
| 4.1 | The proposed System does not leave additive residue exceeding the water purity limits set in the Jordanian standard for water quality (JS 286/ 2008) |  |  |
| 4.2 | The proposed System is robust and reliable for continuous operation |  |  |
| 4.3 | The proposed System is safe for workers without any additional protection requirement |  |  |
| 4.4 | The proposed System does not discharge residues containing radioactive materials or any hazardous waste into the environment, except where identified in advance by the Bidder, and to an agreed authorised waste disposal facility |  |  |
| 5.1 | The proposed System achieves a continuous output volume of 40 m3/hr ± 10% of clean, treated water |  |  |
| 5.2 | The proposed System meets the requirement of radioactivity concentration in the treated water of ≤ 0.2 Bq/l and ≤ 0.3 Bq/l for 226Ra and 228Ra, respectively, and description on how the proposed System meets the requirement of the gross alpha and gross beta of the treated water not exceeding 0.5 Bq/l and 1 Bq/l, respectively mentioned in the Jordanian standard JS 286/2008 |  |  |
| 5.3 | The radioactivity dose above the filtration bath for the proposed System does not exceed 0.2 µSv /hr and does not exceed 0.3 µSv /hr at the waste storage and disposal location |  |  |
| 6.1 | The proposed System is capable of operating directly from a 380 ± 10%, 50± 10% Hertz, three phase AC supply |  |  |
| 6.2 | The proposed System fully conforms to general requirements for safety of electrical equipment |  |  |
| 6.3 | The proposed System’s built-in A/C line conditioner to provide isolation from voltage fluctuations and electrical noise interference |  |  |
| 6.4 | The proposed System’s self-tripping circuit breaker for protection against overload |  |  |
| 7.1 | The constructed body of the proposed System achieves a sufficient degree of resistance against safety hazards |  |  |
| 7.2 | The enclosure of the proposed System is secure and provides adequate protection against moving and electrically energised parts |  |  |
| 7.3 | The switches and controls of the proposed System are protected against penetration of fluids |  |  |
| 7.4 | The switches and controls of the proposed System are be protected against accidental setting changes |  |  |
| 7.5 | The controls of the proposed System are visible and clearly identified, and their functions self-evident, and the proposed System design avoids misinterpretation of displays and controls settings |  |  |
| 7.6 | The proposed System resists tipping over during use and transport |  |  |
| 8 | The safety markings for the proposed System will be in English and Arabic language |  |  |
| 9 | The System components will be packed in accordance with international standards applicable for shipment for this kind of equipment by the agreed route |  |  |
| 9 | The Bidder, if awarded the Purchase Order, shall have all System components ready for delivery, at its facility or warehouse, no later than three (3) months after receipt and acknowledgement of the Purchase Order |  |  |
| 9 | The Bidder, if awarded the Purchase Order, shall unpack, install and bring into operation the System on-site |  |  |
| 9 | Confirmation that the Bidder, if awarded the Purchase Order, will immediately report to the IAEA and the User any damages to the System components, if discovered during unpacking at the Site |  |  |
| 10 | The proposed System will be manufactured, prepared for shipping and installed in accordance with the Bidder’s ISO quality assurance system or an equivalent quality assurance system. If awarded the Purchase Order, the Bidder shall document the compliance with this quality assurance system. |  |  |
| 11.1 | If awarded the Purchase Order, the Bidder shall test the System prior to shipment for conformance with the manufacturer’s performance specifications and the minimum requirements specified in the Statement of Work document |  |  |
| 11.2 | The Bidder, if awarded the Purchase Order, shall test the System after installation together with the User to demonstrate that the performance meets the manufacturer’s performance specifications and the minimum requirements specified in this document as determined by the IAEA and the User |  |  |
| 11.3 | The Bidder, if awarded the Purchase Order, shall perform an electrical leakage safety test for the equipment during commissioning and for every preventive and/or corrective maintenance service |  |  |
| 11.4 | Confirmation that the Bidder, if awarded the Purchase Order, shall ensure the results of at least three (3) water samples fulfil the required chemical purity and radioactivity limitations with no failures; and provide a certificate of conformity with the requirements. The Bidder, if awarded the Purchase Order, shall document the results of the testing of the System in an acceptance protocol that shall be signed by the User. |  |  |
| 12.1 | Confirmation that the Bidder, if awarded the Purchase Order, shall agree on an Implementation Plan with the User prior to incurring costs. The Implementation Plan shall address local conditions and facilities available, including water, drainage, ventilation and air- conditioning. Site accessibility shall be considered, along with any conditions or constructions that may have a bearing on, or in any way affect the operation of the equipment. The plan shall clarify roles and responsibilities, be countersigned by the User, and submitted to the IAEA for approval. |  |  |
| 12.2 | The Bidder, if awarded the Purchase Order, shall provide competent staff, suitably equipped with all necessary tools (such as calibrated test and measuring instruments) to carry out the installation, testing, commissioning, and maintenance |  |  |
| 12.3 | The Bidder, if awarded the Purchase Order, shall install the System on-site within two months after the delivery of the System components at the Site and demonstrate the compliance with the technical specifications for at least three (3) days |  |  |
| 12.4 | Commencing immediately after the installation of the proposed System, the Bidder, if awarded the Purchase Order, shall provide training for three (3) staff members of the User on the operation and maintenance of the System at the User’s location |  |  |
| 13 | Confirmation that the Bidder, if awarded the Purchase Order, shall provide two complete sets of operation and servicing manuals and technical drawings of the System in the English and Arabic language |  |  |
| 14.1 | The Bidder, if awarded the Purchase Order, shall provide onsite maintenance services during the one (1) year warranty period, for the proper functioning of the System. Maintenance services during the warranty period shall include, as minimum. Preventative maintenance; on-call interventions; any safety, and hardware update and upgrade for the System that becomes essential; and all necessary replacement and spare parts, including logistics and disposal. |  |  |
| 14.2 | As part of the on-site acceptance, the Contractor shall provide to the User a plan for preventative maintenance and the name and contacts of a service representative for on-call intervention. The Bidder, if awarded the Purchase Order, shall ensure that a suitable qualified person shall be onsite within forty-eight (48) hours following an unexpected breakdown and shall solve the problem within the next twenty-four (24) hours during the warranty period. |  |  |
| 14.3 | If awarded the Purchase Order, the Bidder shall provide, upon installation, an initial set of essential spare parts and consumables for one (1) year, to be stored at the Site. A list of available spare parts and prices shall be provided to the User and updated as necessary. |  |  |
| 15.1 | The down time for maintenance shall not exceed five days per year |  |  |
| 15.2 | Confirmation by the Bidder that, if awarded the Purchase Order, it agrees to extend the warranty and maintenance period for a corresponding two weeks per each down day that follows the first five days of down time, during the first year of operation |  |  |
| 15.3 | Confirmation by the Bidder that, if awarded the Purchase Order, the records of downtime of the System will be kept by a representative of the User, but that the Bidder, if awarded the Purchase Order, shall have the right to request copies of such records |  |  |
| 16 | If requested, the Bidder, if awarded the Purchase Order, shall provide five (5) years of maintenance services following the initial one (1) year warranty referred to above, and following the same terms |  |  |