COMPLIANCE MATRIX FOR TECHNICAL PROPOSAL

RFQ NO. 628401 – Ukraine: Immobilisation Device Solution for 3D conformal radiation therapy			
Ref.	**Specification.**	**Compliant Yes/No**	**Bidder's Comments**
4.	**Requirements** **4.1. Functional and Performance Requirements:**		
	4.1.1. Quantity of three (3) complete immobilisation sets for 3DCRT/VMAT to be used at the CT scanner, and treatment machines with the potential to be used concurrently at any one time;		
	4.1.2. The immobilisation set for 3DCRT/VMAT patients shall be capable to be used for pelvis, abdomen and thoracic sites including lung, liver, prostate and spine amongst others and		
	4.1.2.1. shall be based on the use of vacuum bags		
	4.1.2.2. provide specific components		
	4.1.2.2.1. Three compressors for vacuum bags capable of both inflate and deflate cycles, including connector valve		
	4.1.2.2.2. Six locking bars (indexing bars) compatible with the indexing system of the treatment couches of the Linac , the CT and simulator at the centre		
	4.1.2.2.3. Three sets of base plates for the vacuum bags compatible with the treatment and CT simulator couches.		
	4.1.2.3. Vacuum bags of small size (70x70 cm) and large size (70x100 cm) that will adequately provide general purpose use for pelvis, abdomen and thoracic sites. (50 vacuum bags of each size).		
	4.1.2.4. provide other available accessories as part of the solution, such as		
	4.1.2.4.1. Three sets of contoured knee support		
	4.1.2.4.2. Three sets of contoured feet support		
	4.1.2.4.3. Three sets of wing boards with handgrips CT compatible, that allows for the treatment of supine breast and thoracic tumours with the possibility of gradual inclination, capable of angling up to 25 degrees, including all accessories.		
	4.1.2.4.4. Three sets of prone breast boards compatible with treatment and CT simulation coaches		
	4.1.2.4.5. Three sets of prone pelvic boards (belly board) compatible with treatment and CT simulator coaches		
	4.1.3. Thermoplastic immobilisation		
	4.1.3.1. One Dry-heat oven for heating thermoplastic material (thermoplastic sheets) with two shelves allowing multiple thermoplastic devices to be prepared simultaneously. Allowing head and shoulder masks to fit in the oven.		
	4.1.3.2. Thermoplastic sheets for head, and head and neck immobilization, the sheets shall have a thickness of approximately 3 mm,		
	4.1.3.2.1. Head only, quantity 100 units		
	4.1.3.2.2. Head & Shoulder, 50 units		
	4.1.3.2.3. Paediatric open face 3-point head, 30 units		
	4.1.3.2.4. Paediatric open face 5-point head and shoulder, 30 units		
	4.1.3.3. Frames for Thermoplastic sheets, quantity six (6) of each compatible with the provided thermoplastic sheets (please note that alternative solution is acceptable)		
	4.1.3.3.1. Standard U-Frame, size approximately 10" x 10"		
	4.1.3.3.2. Standard S-Frame for Head & Shoulder		
	4.1.3.3.3. Paediatric U-frame size		

	4.1.3.3.4. Paediatric S-frame size		
	4.1.3.4. Head rest (head base) sets with different heights, compatible with treatment and CT simulator coaches, providing:		
	4.1.3.4.1. Three Sets of Head rest (head base) of low-density material for supine position (sizes A to F)		
	4.1.3.4.2. Three sets of Head rest (head base) of polyurethane-foam for supine position (sizes A to F)		
	4.1.3.4.3. Three sets of head rest or head base of low-density material for prone position with accessories		
	4.1.3.4.4. Three sets of Paediatric head rest or head base of low-density material for supine position		
	4.1.3.4.5. Three sets of Paediatric head rest or head base of low-density material for prone position		
	4.1.3.4.6. Two Head and neck overlays baseplates compatible with treatment and CT simulator coaches.		
	4.2. Technical Requirements **The system shall meet the following technical requirements:** **4.2.1. The system shall be compatible with, fixed and indexed to the**		
	4.2.1.1. linac with the Couchtop (see technical specification for the Linac),		
	4.2.1.2. CT Simulator (to be confirmed at the time or ordering)		
5.	**Marking** The systems shall have all safety markings in the English language and shall be CE marked.		
6.	**Packing** The System, for the shipment by air/road to the End-User, shall be packed in accordance with international standards that are applicable for the shipment by air/road of this kind of equipment.		
7.	**Quality Requirements**		
	7.1. The System shall be manufactured, packed and installed 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		
	7.3. The Contractor shall provide a list of consumables and disposables for the system and identify items with a short shelf life.		
8.	**Testing and Acceptance**		
	8.1. The system, prior to shipment, shall be tested for conformance of the systems with manufacturer's performance specifications and the minimum requirements specified herein.		
	8.2. The system, after installation, shall be tested by the Contractor together with the End-User to demonstrate that the performance meets the manufacturer's performance specifications and the minimum requirements specified herein as determined by the IAEA and the End-User		
	8.3. The results of the testing of the System shall be documented by the Contractor in an acceptance test protocol that shall be signed by the End-User		
9.	**Deliverable data Items**		
	The Contractor shall provide two (2) complete sets of operation and servicing manuals in the English language.		