University of the Philippines Manila/
Philippine General Hospital

Project Reference No. PUR20-09-0823
Name of Project: Supply, Delivery, Installation, Acceptance, Testing & Commissioning of a Brand New Photon Intra Operative Radiation Therapy (IORT) Machine and Mobile Lead Barriers for the Radiation Oncology Section, Department of Radiology
Location of Project: Philippine General Hospital Taft Avenue, Manila

BAC RESOLUTION NO. 21-001

WHEREAS, the UP Manila Bids and Awards Committee advertised an Invitation to Bid (ITB) for the **SUPPLY, DELIVERY, INSTALLATION, ACCEPTANCE, TESTING AND COMMISSIONING OF A BRAND NEW PHOTON INTRA OPERATIVE RADIATION THERAPY (IORT) MACHINE AND MOBILE LEAD BARRIERS** which was posted continuously for fourteen (14) days on the UP Manila website on 20 October 2020, on the PhilGEPS portal on 4 October 2020 and on BAC bulletin boards on 11 October 2020;

WHEREAS, a Pre-Bid Conference was conducted last 16 October 2020 and only one (1) prospective bidder participated - RBGM Medical Express Sales Inc., and who had the opportunity to inquire and request clarifications on the technical specifications as well as the documents to be submitted;

WHEREAS, a lone prospective bidder submitted its bid documents on the scheduled date of opening of bids on 06 November 2020 for the Supply, Delivery, Installation, Acceptance, Testing and Commissioning of a Brand new Photon Intra Operative Radiation Therapy (IORT) Machine and Mobile Lead Barriers and who was rated as having "PASSED" the eligibility requirements and was therefore found to be ELIGIBLE;

WHEREAS, the bid proposal of the lone bidder, was found to be compliant;

Name of Bidder	ABC (in PhP)	Total Amount (as Read / Calculated)	% Variance from ABC
RBGM Medical Express Sales Inc.	118,000,000.00	113,528,000.00	0.0038%↓

WHEREAS, after a detailed evaluation of bid was conducted on 23 December 2020 the same resulted in the following:

Name of Bidder	ABC (in PhP)	Total Amount (as Read/Calculated)	% Variance from ABC
RBGM Medical Express Sales Inc.	118,000,000.00	113,528,000.00	0.0038%↓

WHEREAS, upon careful examination, evaluation, validation and verification of all the Eligibility, Technical and Financial requirements submitted by the bidder, the bid of **RBGM MEDICAL EXPRES SALES INC.** was found to be the single calculated and responsive bid - having submitted the proposal considered most advantageous for the Hospital;

No.	Qty	UOM	Item Description	Unit Cost	Total Cost
1	1	lot	Supply, Delivery, Installation, Acceptance, Testing and Commissioning of a Brand New Photon Intra Operative Radiation Therapy (IORT) Machine and Mobile Lead Barriers for the Radiation Oncology Section, Department of Radiology, Philippine General Hospital.		118,000,000.00
			Scope of Work: **A. Supply, Delivery, Installation, Acceptance Testing, and Commissioning of a Brand-New IORT Machine:** 1. Technical Specifications of IORT 2. IORT Applicators 3. Technical Specifications of the Dosimetry System 4. Accessories and Supporting Equipment 5. Commissioning of the IORT Machine		
	1	unit	**Intra Operative Radiation Therapy Machine**	89,884,074.20	
			A. Technical Specifications of the Intra Operative Radiation Therapy Machine		
			1. Machine Description a. Photon based intraoperative radiation therapy b. Energy: 50 kV Photon c. Real time monitoring of radiation dose using internal radiation monitoring unit		
			2. Applicators a. Complete set of applicators that can be used for the following oncologic sites: i. Neurology ii. Spine iii. Musculoskeletal iv. Breast v. Colorectal vi. Head and Neck vii. Skin		
			b. The set of applicators should contain the following:		
			i. Set of flat applicators with the following diameters 10, 20, 30, 40, 50 and 60 mm		
	1	pc	▪ Flat applicator with a diameter of 10 mm	599,155.20	
	1	pc	▪ Flat applicator with a diameter of 20 mm	599,155.20	
	1	pc	▪ Flat applicator with a diameter of 30 mm	599,155.20	
	1	pc	▪ Flat applicator with a diameter of 40 mm	599,155.20	
	1	pc	▪ Flat applicator with a diameter of 50 mm	599,155.20	

No.	Qty	UOM	Item Description	Unit Cost	Total Cost
	1	pc	▪ Flat applicator with a diameter of 60 mm	599,155.20	
			ii. Set of surface applicators with the following diameters 10, 20, 30, and 40 mm		
	1	pc	▪ Surface applicator with a diameter of 10 mm	599,155.20	
	1	pc	▪ Surface applicator with a diameter of 20 mm	599,155.20	
	1	pc	▪ Surface applicator with a diameter of 30 mm	599,155.20	
	1	pc	▪ Surface applicator with a diameter of 40 mm	599,155.20	
			iii. Set of spherical applicators with the following diameters 15, 20, 25, 30, 35, 40, 45 and 50 mm		
	1	pc	▪ Spherical applicator with a diameter of 15 mm	490,022.40	
	1	pc	▪ Spherical applicator with a diameter of 20 mm	490,022.40	
	1	pc	▪ Spherical applicator with a diameter of 25 mm	490,022.40	
	1	pc	▪ Spherical applicator with a diameter of 30 mm	490,022.40	
	1	pc	▪ Spherical applicator with a diameter of 35 mm	490,022.40	
	1	pc	▪ Spherical applicator with a diameter of 40 mm	490,022.40	
	1	pc	▪ Spherical applicator with a diameter of 45 mm	490,022.40	
	1	pc	▪ Spherical applicator with a diameter of 50 mm	490,022.40	
	10	pc	iv. Needle applicator with a diameter of not greater than 4.4 mm	147,369.60	
			3. Sterile Equipment		
	10	pack	a. Sterile Drapes i. Dimensions: At least 122 x 300cm (48" x 118")	12,566.40	
	1	pc	b. Sterilization Tray i. Dimensions: At least 580 mm x 275 mm x 200 mm ii. Material: Anodized aluminum iii. Must be compatible with all the spherical applicators	295,545.60	
	20	pcs	c. Stainless steel kidney basin		
			4. Mobility a. The IORT equipment shall be composed of a mobile IORT unit and a separate control unit b. The IORT machine must be capable of being stationed outside the operating/treatment room when not in use c. The IORT machine shall be characterized by at least five (5) degrees of freedom for easy positioning		

No.	Qty	UOM	Item Description	Unit Cost	Total Cost
			d. Weight: not more than 700 Kg e. Has a digital platform f. Parts of the console must have the following: i. Monitor ii. Keyboard / control pad iii. Mouse		
			5. Treatment planning system a. Can model IORT applicators on the CT data set of patients b. Can generate isodose lines on 2D and 3D images c. Has contouring tools to identify the areas of interest in a CT data set d. Capable of dose painting that interpolates PDD e. Has the latest algorithm for IORT treatment planning f. Can create a report of treatment data, which includes beam energy, applicator parameters, and contour information. g. Supports DICOM CT images of existing CT-scan machines of the UP-PGH Radiation Oncology Section		
			6. Radiation Safety a. There shall be at least one (1) emergency stop button on the IORT machine or on the Control Unit.		
			7. Back-up power supply a. Uninterrupted Power Supply (UPS) to support the IORT Machine and all its accessories for at least 15 minutes in case of power failure		
			8. Commissioning of IORT Machine		
			a. The winning bidder shall provide support in the following processes done in commissioning of the installed IORT Machine i. Beam data gathering ii. Verification of beam data imported in the Treatment Planning System		
			b. The winning bidder may provide a manufacturer physicist to assist in the commissioning process		
			B. Technical Specifications of the Dosimetry System		
			1. Water phantom a. Can measure at least two (2) orthogonal planar orientation (X-Y, and Z) directions b. Can measure depth dose curve c. Radiation measurements must be controlled by a software system d. Mechanical accuracy of positioning system: not greater than 0.1 mm		