Baba Farid University of Health Sciences, Faridkot

E-TENDER NOTICE FOR supply & installation of CT Simulator on turnkey basis for Tertiary Cancer Care Center Fazilka (Punjab).

Annex II

CORREGENDUM OF TECHNICAL SPECIFICATIONS

Point	As per tender document	Amendment
1.3	FDA certificate and AERB approval certificate should be enclosed with the technical bid	The year of approval from CE or CDSCO, IMDRF, FDA, ISO certifications and AERB should be clearly stated. Type approval certificate for the quoted model from AERB should be enclosed with the technical bid.
3.4.4	There should be atleast 5kV settings available over a range of 80 kV to 140 kV or better	There should be atleast 5kV/10kV/15kV/20kV settings available over a range of 80 kV to 140 kV or better.
3.5.4	The detector system should be able to produce two data sets of image generation per rotation.	Omitted.
3.6.8	It should be possible to move the tabletop from a table side and control console and hand pendant.	Omitted.
3.7.1	It should have 19" or more medical grade monitor for display of 1024 x 1024 matrix or more	It should have single/dual 19" or more medical grade monitor for display of 1024 x 1024 matrix or more
3.7.3	Image storage (internal/external) 700 GB or more for atleast 500000 images in 512 x 512 matrix uncompressed or better. The latest configuration may be quoted with additional storage 5 TB (1 TB each)	Image storage (internal/external) 700 GB or more for atleast 400000 images in 512 x 512 matrix uncompressed or better. The latest configuration may be quoted with additional storage 5 TB (1 TB each)
3.7.6	Automatic Contrast Injector System with automatic contrast controller connected to injector.	Automatic Contrast Injector System with automatic contrast controller connected with dual head injector with 100 disposable syringes and tubes.
3.8.1	The slice thickness should be user selectable from 0.6 mm to 10 mm.	The slice thickness should be user selectable from 0.6/0.625 mm to 10 mm.
3.9.8	Spiral parameters: Different selection of pitch should be possible from 0.5 to 3, in 0.1 increment.	Spiral parameters: Different selection of pitch should be possible from 0.5 to 1.5 or more.
3.10.4	The hard disk capacity of main computer must be 750 GB or more.	The hard disk capacity of main computer must be 720 GB or more.
3.10.5	In the hard disk meant for image storage, the number of uncompressed 512 x 512 that can be stored should be atleast 600000 or more. The maximum possible hard disk must be provided.	Omitted.
3.11.5	4D Scanning Facility: 4D CT scan software interface should be provided & the same must be compatible with any commercially available 4D gating hardware & should be compatible with various Linear accelerator models. The 4D gating hardware is to	4D Scanning Facility: 4D CT scan software interface should be provided & the same must be compatible with any commercially available 4D gating hardware & should be compatible with various Linear accelerator models. The 4D gating hardware should be quoted as a standard item.

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	be quoted as an optional item.	
6.1	Should be on a color dye sublimation	Omitted.
	or alternative.	
6.2	Suitable and economic printer to be	omitted
	supplied alongwith the system.	
11.2.2	The system should be running on a	The system should be running on a high-end
	high-end workstation platform of	workstation platform of reputed brand like Sun
	reputed brand like Sun	Microsystems/HP workstation/Dell/Silicon
	Microsystems/HP	Graphics with at least 8 GB RAM or more.
	workstation/Dell/Silicon Graphics with	Minimum 128 bits or more processor with 1
	at least 8 GB RAM or more. Minimum	Terabyte (TB) Hard disk or more.
	256 bits processor with 1 Terabyte	
	(TB) Hard disk or more.	
11.2.4	Display should be on 19" high-	Display should be single/dual 19" high-
	resolution color LED Monitor with the	resolution color LED Monitor with the high
	high resolution of 1408x1024 pixles or	resolution of 1280x1024 pixles or better.
	better.	·
11.2.8	Laser printer possible to print A4 and	Two Laser printer possible to print A4 and
	smaller size paper should be provided.	smaller size paper should be provided
		alongwith system.
11.3.2/	Windows based platform	Windows/Linux based platform.
11.3.3		
12.2	UPS: Online UPS with MF batteries for	Omitted.
	the backup of the entire system for at	
	least 30 minutes.	
12.5	Pressure injector: CT compatible	Omitted.
	pressure injector with remote console	
	100 disposable syringe.	
12.6	Non metallic CT markers	Non metallic 2000 CT markers.

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GENERAL TERMS AND CONDITIONS

Sr. No.	As per tender document	Amendment
1.	Delivery and installation period should be 160 days and it should be linked with opening of confirmed and irrevocable letter of credit.	Delivery and installation period should be 180 days and it should be linked with opening of confirmed and irrevocable letter of credit/power available/site readiness from the date of license obtained from AERB.
2.	Delivery period is 60 days from the confirmation of opening of LC.	Delivery period is 180 days from the confirmation of opening of LC.
3.	5 year comprehensive warranty Free of Cost. After the expiry of the 5 years warranty, CMC will be for 5 years.	5 year comprehensive warranty Free of Cost along with periodic CT QA as prescribed by AERB format. Free Comprehensive warranty for 5 years will be started from the date of license for operation obtained from AERB. After the expiry of the 5 years warranty, CMC will be for 5 years.
4.	Further, 0.1% of FOB as penalty per week till the warranty period, if the instrument remains in non working condition for more than 18 days in a year.	If the instrument remains in non working condition for more than 18 days in a year, the duration of the CMC/Warranty period would be extended by a term of double the downtime without additional cost.
5.	Turnkey Payment	 50% payment on completion of at least half of the jobs under turnkey project. 50% after satisfactory completion certificate from the HOD, Radiotherapy, GGSMCH, Faridkot.