ANX D TO DGDP TENDER NUMBER 216.07.493.25 DATED: 27 NOVEMBER 2025

DESCRIPTION OF TECHNICAL SPECIFICATION FOR CT SCAN MACHINE (256 MULTI SLICE DUAL SOURCE), QUANTITY-01, (DP-5)

(Tenderer must fill up this format without changing its basic structure)

Ser No	Description	Tech specifications/Feature	To be filled up by the Manufacturer/ Principal			
(a)	(b)	(c)	(d)			
1.	General Specification: General Specification:	eneral specifications are as under :				
	a. Nomenclature	CT Scan Machine (256 Multi Slice Dual Source)				
	b. Brand	To be mentioned.				
	c. Model	To be mentioned. Model should be latest.				
	d. Name of Manufacture with Complete Address	To be mentioned.				
	e. Name of Principal with Complete Address	To be mentioned.				
	f. Name of Local Agent with Complete Address	me of Local Agent To be mentioned.				
	g. Year of Production	Not before the calendar year of contract.				
	h. Country of Origin & Manufacturer	Group-A: Bangladesh, Australia, Austria, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Indonesia, Ireland, Japan, Luxemburg, Netherlands, Norway, Singapore, Spain, Sweden, Switzerland, Turkey, UK, USA,				
	j. Port of shipment	South Korea & Italy.				
	j. Port of shipment	Same country of manufacture for Main System. Other Items/ Equipments/ Accessories and Local				
		supplied item to be mentioned specifically.				
2.	Objective/Purpose: The sy					
	source CT scanner. Capable rotation for all types of scan					
3.	Basic Features Consisting					
	features to be available with					
	a. Spiral CT Scanner with 6 capability for the Whole bod					
	b. The system consisting of station, Multi Modality Post Compatible Dry Laser Image Radiologist workstation.					
	c. Image Storage in system facility to be available.					
	d. Dedicated pediatric CT pr					
	e. The system must have D transfer capability to be avai					
	f. Rotating anode type X-ray					
	g. Voice link: Vocal instruction					
	h. An suitable/compatible or for power back up in case of					
	j. The system must have Du	3 to 30 80 8				
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Ser No	Description	n Tech specifications/Feature			
4.	Technical Specification/Featu	Principal			
	a. CT Functions/Procedures: related software to be provided				
	technical offer : 1) Contrast Media Tracking				
	2) CT Angiography.				
	3) CT Pulmonary Angiograp				
	4) CT Coronary Angiograph				
	5) Advance 3D analysis.				
	6) CT portal Venous Angiog				
	Dynamic Cerebral Perfus				
	8) Head CT.				
	9) Maxillo-facial CT.				
	10) Neck				
	11) Thoracic CT.				
	12) Abdominal CT.				
	13) CT Volumetric measurer				
	14) Pelvic CT.				
	15) Skeletal CT.				
	16) Interventional CT.				
	17) Cardiac CT.	· · · · · · · · · · · · · · · · · · ·			
	18) Temporal Bone CT.	·			
	available with the Gantry and offer:	er: Following technical parameter are to be Scan and clearly mentioned in the technical			
		echnology: To be available			
	2) Scan Time for 360 degre				
	3) Scan Regions : Whole bo				
	4) Right and Left Gantry co				
	5) Back and front Gantry co				
	6) Scan field/FOV : 50 cm c				
	7) Gantry Aperture/Extende				
		entioned (Lower is preferred). Adjustable from 0.4 or less to 20 mm or more			
	10) Recon Time : To be mer				
	11) Gantry Tilt : ± 30°.	moned (Lower is preferred).			
	c. X-ray Generator: Latest, St the gantry. Following technical d and clearly mentioned in technic				
	(1) X-ray generator: 2 x120				
	(2) X-ray generator type : Hi				
	(3) X-Ray Exposure: Continu				
	d. X-Ray Tube: Following tech Tube and clearly mentioned in t				
	(1) Computer controlled me available.				
	(2) X-Ray Tube Voltage :Ad lower KV acceptable).	djustable from 70 to 150 KV or better (Initial			

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er o	Description	Tech specification	ons/Feature	To be filled up by the Manufacturer/ Principal			
	(3) X-Ray Tube Current : 4						
	(4) Anode Heat Storage Ca						
	(5) Peak Heat Dissipation						
		t to be inside the gantry: To					
		 (7) Dose Filter: To be mentioned (6.8 mm Al equivalent). e. X-ray Detector for Detection: The detector have at least 64 'physical 					
	rows'. Number of elements in						
	(1) Detector Type: Ultra Microchips, Conductor e						
	reduce electronic noise co						
	(2) Number of detector row:						
	(3) Number of slices/rotation						
	(4) Number of Detector elem more.		,,				
	(5) High contrast resolution:	To be mentioned (0.24 mr	n or less)				
	(6) Single detector length: T						
	(7) Acquisition Slice Width:						
	f. Patient Table: Following te						
	with the Patient Table and cl						
	(1) Remote control of the co	uch from console: To be m	entioned.				
	(2) Table move vertically an be available.						
	(3) Motor driven couch top r	novement.					
	(4) Load capacity: 200 Kg of						
	(5) Scan range ability: 200 c						
	(6) Table feed speed: 10 m preferred).						
	g. Spiral CT Capabilities: Follo Spiral CT and clearly mention						
	(1) Slice thickness: Minimum						
	(2) Pitch factor (Volume pitch						
	(3) Spiral length: To be menti						
	(4) Single Continuous spiral-c						
	h. Topogram/Scanogram:						
	(1) Scan Length and Scan Wingreferred).						
	(2) Scan Times: To be mention						
	(3) Views: Feasible in Fronta						
	(4) Possible to interrupt acqui obtained facility						
	j. Acquisition & Processing W be supplied with the System for						
	routine post processing. Follow						
	(1)Processor: 2 x Quad core						
	(2)Monitor: TFL/LCD 19" or resulation and 0.29 mm pix	kel size.	Or be mentioned				
	(3)Main Memory (RAM): 8 GB	3 or more.	which is compatible	at s			
	(4)HDD: 140 GB or 250,000		to machine as per FDA approval	1000			
	(5)Raw Data Capacity: 3.8 TE						

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Ser No	Description	Tech specifications/Feature		To be filled up by the Manufacturer/ Principal
,	(6) Graphics Accelerator : For			
	(7)CD/DVD writer: CD (700 M			
	(8)DICOM Viewer: Automatic	ally included in eve	ery CD for viewing in PC	
	k. <u>Softwares</u> : Following app (Original Equipment Manuface (CT Scan Machine): MPR (M Surface Display), VRT (Volumapplication, CT Angiography, Vi axial, sagittal, coronal, or do protocols, Bolus CT (CM-enhametal artifact reduction, combising and implants, cardiac acquising gating, Neuro volume perfusion MTT, TTP, CBF, TTD and permobest systolic and diastolic phase Artificial intelligence (AI) should I. <u>Advanced Multi-Modality Performance</u> High Performance multimodality post processing fathe System (CT Scan Machine)			
	Price to be quoted separately. Computer: (1)Processor: 2 x Xeon 3.6 G (2) Monitor: TFL/LCD 22" or			
	x 1024 resulation and 0.29 (3)Main Memory (RAM): 48 G	mm pixel size.	Or to be mentioned which is compatible to machine as per FDA approval	
	(4) HDD: 500 GB or more.			
	(5) Graphics Accelerator : For f	ast 3D processing w	rith additional 2 GB image	
	memory. (6) CD/DVD writer : CD (700			
	(7) DICOM Viewer: Automat	tically included in a	every CD for viewing in PC	
	m. Dedicated Processing Softw			
	n. 2 Nos Client PC's for Radio the necessary software capab workstation. The Client must without interfering and shall have must be of a renowned brand with			
5.	Accessories:			
	(1) Dual head Injector (Brand,	Model, Country of	Origin & Manufacturer are to	
	be mentioned).		Origin & Manufacturer are to	
r.	be mentioned).		f Origin & Manufacturer are to	
	(4) UPS: 400 KVA True on-li system (Group A Country) (are to be mentioned).	ne UPS for 20-m Brand, Model, Co	iniutes backup of the whole untry of Origin & Manufacturer	
	(5) Lead glass: 150 cm x 10 control room for radiation pr			
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Ser No	Description	i,	Tech specifications/Feature			To be filled up by the Manufacturer/ Principal	
	 (6) 07x 2 Ton AC (3 for Machine room, 3 for Electronics room & 1 for console room) (Brand, Model, Country of Origin & Manufacturer are to be mentioned). (7) 05x Dehumidifier (30L) (Brand, Model, Country of Origin & Manufacturer are to be mentioned). (8) Earthing system 						
6.	Optional accessories (in	any): To	be mention	ed			
7.	Power Supply	380-420\	/AC ± 10%	, 50 Hz, 3 (T	hree) Phase AC) .	
8.	Complete BOQ/BOM. for full range of operation	All Foreig	n & Local s	supplied item	ns to be listed se	eparately	
		Qty Bran		Country of Origin	Country of Manufacturer	Remarks	
9.	Foreign Training:						
	a. Operational Training 02 x Radiologist for 5 days (without journey period) at Manufacturing Country.						
10.	Local Training:						
	a. Operational Training						
	b.Repair/Maintenance 04x EM Technician for 02 weeks Training						
11.	Warranty 07 (Seven) years warranty from the date of issuance Inspection Note (I/Note)						
12.	After sales service	10 (Ter) years fro	m the date o	f installation.		
13.	Certificate of quality FDA & EC Certificate must be submitted with offer.						
14.	Books and Publication	Following books and publication will be supplied in English along with the stores free of cost. a. Operational manual – 03 Copies (01x Original & 02x Photocopies) b. Repair/Maint/Service manual including details circuit/Schematic diagrams– 03 Copies (01x Original & 02x Photocopies) c. Parts Catalogue/Master Parts list– 03 Copies (01x Original & 02x Photocopies) d. 100% Spare Parts list with price – 02 x Original copies Note: In addition to hard copy, a soft copy CD/DVD containing all books and publications will be supplied					
15	0	by the supplier free of cost.					
15.	Comprehensive Maintenance Contract (CMC): The supplier will submit a price offer for Comprehensive Maintenance Contract (CMC) for 05 (Five) years which will be applicable after the warranty period. Non stopping service shall be provided by manufacture authorized local agent/vendor. Terms & Conditions as per Government policy.						
16.	If other feature/items not listed above but required for full range of operation of the offered equipment to be mentioned and to be supplied free of cost with main equipment.					A DEED	

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